



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

400 Seventh Street, S.W.
Washington, D.C. 20590

Dear Crash Data Researchers/Users:

Thank you for choosing crash data from the National Highway Traffic Safety Administration (NHTSA) for your research or other use. The information contained in this motor vehicle crash report is collected, maintained and distributed in accordance with Public Law 89-564. In accordance with this Public Law, NHTSA is required not to release any case information until completion of quality control procedures. These procedures include a review of the case material to extract all names, licenses and registration numbers, non-coded interview material, non-research related researcher comments in the margins, non-factual data, and the production number portion of the vehicle identification number (VIN).

If you requested NHTSA to query its database files in order to identify a specific crash, then that query was made using non-personal descriptors you provided for use in our search. This motor vehicle crash may have been identified from a data search and matches the general, non-personal descriptors you provided, but we cannot confirm that this is the specific crash report you requested.

If you have any questions with regard to the above procedures, please contact the Field Operations Branch, Crash Investigation Division, National Center for Statistics and Analysis at 202-366-4820. Again, please be advised that we cannot confirm that this is the case that you have specifically requested nor can we certify the information to be correct.

*** *** ***



AUTO SAFETY HOTLINE
(800) 424-9393
Wash. D.C. Area 366-0123

Case Vehicle (A): 1999 Pontiac
 Type: Grand Am, 2-door coupe
 Driver: 28-year-old male
 CDC: 12-FREN-5, 12-LDES-2

SITUATION

(Slide 1) Case vehicle (A) was traveling south in the southbound lane of a straight section of a dry, asphalt, two-lane roadway, (slides 2, 3) with a speed limit of 89 kph (55 mph). Case vehicle (A) drifted across the centerline, departed the east shoulder of the roadway, and traveled down a shallow embankment. The left side of case vehicle (A) sideswiped a clump of trees before case vehicle (A) struck a tree with its right-front bumper corner. Case vehicle (A) came to rest facing south-southeast. The driver of case vehicle (A) had a blood alcohol level of .16 percent.

GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

(Slide 4) Damage to case vehicle (A) was severe. The direct-damage length was 37 cm and began 10-cm in board of the right-front bumper corner. The maximum crush to the bumper was 116 cm and occurred at the right-front bumper corner. The left wheelbase was extended 13 cm, and the right wheelbase was reduced 42 cm. The maximum crush above the sill associated with the sideswipe impact was estimated to be 14 cm.

Using the WinSMASH accident-reconstruction program and (slides 5, 6, 7, 8) c-values for case vehicle (A), the following impact severity was calculated:

Vehicle	Variable	Calculated Velocity Change - kph (mph)		
		Total	Longitudinal	Latitudinal
Case Vehicle (A)	delta V	71 (44)	-71 (-44)	0 (0)

DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)

Exterior

(Slides 9, 10, 11) The front bumper, both headlight assemblies, the grille, the radiator, the right fender, and the right-front wheel and strut were damaged. The hood was crushed, and the hood

latch was jammed. Both hood hinges were damaged, but did not separate. The rear edge of the hood was elevated and it contacted the windshield, but did not penetrate it. (Slide 12) The windshield was holed from the bottom right corner up to approximately two-thirds the height of the right A-pillar. Both doors remained closed during the crash, but were sprung and would not close post-crash.

Interior

(Slides 13, 14, 15, 16, 17) This vehicle was equipped with both steering-wheel and passenger frontal-impact airbags, which deployed during the frontal impact. No damage was noted to the airbag skins or (slides 18, 19, 20, 21) to the module doors/flaps. (Slide 22) The steering-wheel rim was not deformed and there was no deformation of the steering-wheel spokes. The steering column was rotated up and to the right. (Slides 23, 24, 25) The following intrusions were noted and measured.

Location	Component	Distance (cm)	Direction
left front	toepan	35	to rear
left front	instrument panel	10	to rear
left front	door	14	to right
left front	steering column	3	to rear
center front	instrument panel	24	to rear
right front	instrument panel	21	to rear
right front	toepan	54	to rear

(Slides 26, 27, 28, 29, 30) The right side of the roof structure, the right side of the windshield header, and the right upper and lower A-pillar were damaged due to buckling of the vehicle body. The upper, mid and lower instrument panels, the upper and mid climate control vents, the radio, the ash tray, the parking brake lever, the glove box door, and the foot controls were damaged due to intrusion. The rearview mirror, the vertical console, the climate control knobs, the center console, and the transmission selector lever were damaged from driver contact. The left-front seat was found in the full rear position.

OCCUPANT INJURIES AND KINEMATICS

The 6-ft, 0-in, 230-lb, 28-year-old male driver (slides 31, 32) was not wearing the available three-point belt, and the steering-wheel airbag deployed. On impact, he moved forward and to

the right, skipped off the airbag, and (slides 33, 34, 35, 36, 37) contacted the vertical console with his torso and right arm. He sustained a fracture and a contusion to the left thumb, probably from contact with the steering-wheel rim, but possibly from contact with the windshield. He sustained an abrasion to the right side of his chest, probably from contact with the airbag, but possibly from contact with the vertical console. He sustained a comminuted fracture of the right humeral neck with posterior humeral head subluxation, and an abrasion to the right posterior forearm, probably from contact with the vertical console. (Slide 38) He sustained a contusion to the left lateral thigh, probably from contact with the interior surface of the left door during the sideswipe. (Slides 39, 40, 41, 42) He sustained an intertrochanteric fracture of the right femur and an open transverse fracture of the mid and distal 1/3rd of the right femoral shaft due to axial loading from contact with the knee bolster. He also sustained abrasions over both tibias, probably from contact with the knee bolster. (Slide 43) The rearview mirror was found off of its mounting plate, but no injuries were reported that could be associated with it.

The following table and (slide 44) attached drawing summarize the injuries sustained by the driver.

Occupant: Driver
Restraints: 3-point belt not worn; airbag deployed

Age: 28 years
Stature: 183 cm (6 ft, 0 in)

Gender: Male
Mass: 104 kg (230 lb)

Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
Fracture, left thumb	1		Steering-wheel rim	Windshield
Contusion, left thumb	1		Steering-wheel rim	Windshield
Abrasions, right side of chest	1		Airbag	Vertical console
Fracture, comminuted, right humeral neck with posterior humeral head subluxation	3		Vertical console	
Abrasions, right posterior forearm	1		Vertical console	
Contusion, left lateral thigh	1		Interior surface of door (during first impact)	
Intertrochanteric fracture, right femur	3		Knee bolster	
Fracture, transverse, open, of the mid and distal 1/3 rd of the right femoral shaft	3		Knee bolster	
Abrasions, left tibia	1		Knee bolster	
Abrasions, right tibia	1		Knee bolster	
<u>Maximum A.I.S. Level</u>	<u>3</u>			
<u>Injury Severity Score</u>	<u>10</u>			

TIME

DATE OF COLLISION

— m — / — d — / — y — y — y

HOUR OF COLLISION
(24 HOUR CLOCK) 21 — — — 24

LOCATION

STATE: _____

STATE FIPS CODE

— 25 — 26

AREA

- (1) URBAN
- (2) RURAL
- (9) UNKNOWN

27

ENVIRONMENTAL CONDITIONS

LIMITED-ACCESS HIGHWAY

- (0) NO
- (1) YES
- (9) UNKNOWN

28

ROAD, TOTAL TRAFFIC LANES
(FOR CASE VEHICLE)

- (1) 1-LANE
- (2) 2-LANES
- (3) 3-LANES
- (4) 4 OR MORE LANES
- (5) DIVIDED, 4 OR MORE LANES
- (6) PARKING LOT/DRIVEWAY
- (7) OTHER: _____
- (9) UNKNOWN

29

INTERSECTING RD, TOTAL LANES

CHOOSE FROM ABOVE LIST, OR

- (8) NOT APPLICABLE

30

TYPE OF ROAD SURFACE

- (1) ASPHALT
- (2) CONCRETE
- (3) GRAVEL
- (4) MORE THAN ONE (CIRCLE EACH)
- (7) OTHER: _____
- (9) UNKNOWN

31

ROAD DEFECTS

- (0) NO
- (1) YES
- (9) UNKNOWN

32

ENVIRONMENTAL CONDITIONS

CONSTRUCTION ZONE

- (0) NO
- (1) YES
- (9) UNKNOWN

33

ROAD ALIGNMENT
VERTICAL PLANE

- (1) LEVEL
- (2) CREST OF HILL
- (3) SLOPE (2%)
- (4) BOTTOM OF HILL
- (9) UNKNOWN

34

ROAD ALIGNMENT
HORIZONTAL PLANE

- (1) STRAIGHT
- (2) CURVE
- (3) T - SHAPED
- (4) Y - SHAPED
- (7) OTHER: _____
- (9) UNKNOWN

35

SURFACE COVERING

- (10) DRY
- (21) WATER - DAMP
- (22) WATER - WET
- (23) WATER - PUDDLED
- (29) WATER - AMOUNT UNKNOWN
- (31) SNOW - LOOSE
- (32) SNOW - PACKED
- (39) SNOW - CONDITION UNKNOWN
- (41) ICE
- (51) SLUSH
- (61) SPILLED GRAVEL
- (71) OTHER: _____
- (99) UNKNOWN

36 37

VISIBILITY LIMITATION
(FOR CASE VEHICLE)

- (0) NONE
- (1) CLOUDY/DARK
- (2) FOG
- (3) SMOKE
- (4) WINDSHIELD CONDITION
- (5) GLARE
- (6) RAIN
- (7) OTHER: _____
- (8) ICE/SNOW
- (9) UNKNOWN

38

VISIBILITY OBSTRUCTION
(FOR CASE VEHICLE)

- (0) NONE
- (1) BUILDING
- (2) SIGN
- (3) VEGETATION (E.G. BUSHES, SHRUBS)
- (4) TREE
- (5) HILL OR CURVE IN ROAD
- (6) VEHICLE IN TRANSPORT
- (7) OTHER: _____
- (8) PARKED VEHICLE
- (9) UNKNOWN

39

ENVIRONMENTAL CONDITIONS

SPEED LIMIT

(0) 5-45 km/h 5-25 mph
 (1) 46-55 30
 (2) 56-60 35
 (3) 61-70 40
 (4) 71-79 45
 (5) 80-85 50
 (6) 86-90 55
 (7) 91-105 60
 (8) OVER 105 65
 (9) UNKNOWN

PRECIPITATION

(0) NONE
 (1) RAIN
 (2) SNOW
 (3) HAIL
 (4) FREEZING RAIN/SLEET
 (7) OTHER: _____
 (9) UNKNOWN

RATE OF PRECIPITATION

(1) LIGHT/MIST
 (2) MODERATE
 (3) HEAVY
 (8) NOT APPLICABLE
 (9) UNKNOWN

TEMPERATURE

(0) BELOW -15° C BELOW 5° F
 (1) -15 TO -6 5 TO 22
 (2) -5 TO -1 23 TO 31
 (3) 0 TO 2 32 TO 36
 (4) 3 TO 5 37 TO 41
 (5) 6 TO 15 42 TO 59
 (6) 16 TO 25 60 TO 77
 (7) 26 TO 35 78 TO 95
 (8) OVER 35 OVER 96
 (9) UNKNOWN

CROSSWIND

(0) NONE
 (1) LIGHT
 (2) STRONG
 (3) GUSTY & STRONG
 (9) UNKNOWN

LIGHT CONDITIONS

(1) DAYLIGHT
 (2) DAWN
 (3) DUSK
 (4) DARK, LIGHTED
 (5) DARK, UNLIGHTED
 (6) DARK, UNKNOWN IF LIGHTED
 (9) UNKNOWN

6
40

MECHANICAL MALFUNCTION

WAS THERE MENTION
OF A MECHANICAL MALFUNCTION
IN CASE VEHICLE

Ø
46

(0) NO
 (1) YES
 (2) YES, DID NOT CONTRIBUTE
TO ACCIDENT
 (9) UNKNOWN

1
41

THE FOLLOWING SECTION SHOULD BE FILLED
OUT IF A MECHANICAL MALFUNCTION IS
RECOGNIZED OR SUSPECTED.

CIRCLE ITEMS INVOLVED. SUPPORT ANY
ITEMS CIRCLED WITH COMMENTS.

8
42

BRAKE SYSTEM	DRIVER CONTROLS
EXHAUST SYSTEM	POWER TRAIN
STEERING SYSTEM	FUEL SYSTEM
SUSPENSION SYSTEM	VISIBILITY ITEMS
ELECTRICAL SYSTEM	TIRES
THROTTLE CONTROLS	UNKNOWN

9
43

OTHER: _____

COMMENTS: _____

9
445
45

GENERAL INFORMATION GI-3

CRASH DETAILS		HIGHEST POLICE INJURY SEVERITY CODE IN CRASH (NOT JUST CASE VEHICLE)		
CASE VEHICLE AND OBJECT (0) NO (1) YES (9) UNKNOWN		1 47	(0) O - NO INJURY (1) C - POSSIBLE INJURY (2) B - NON-INCAPACITATING INJURY (3) A - INCAPACITATING INJURY (4) K - FATAL (5) INJURED, SEVERITY UNKNOWN (6) DIED PRIOR TO ACCIDENT (7) NON-FATAL INJURY SEVERITY UNKNOWN (9) UNKNOWN	
CASE VEHICLE ROLLOVER (0) NO ROLLOVER (1) YES, FIRST EVENT (2) YES, SUBSEQUENT EVENT (3) YES, SEQUENCE UNKNOWN (9) UNKNOWN		0 48		
CASE VEHICLE RAN OFF ROADWAY (BEFORE FIRST IMPACT) (0) NO (1) YES (9) UNKNOWN		1 49	DRIVER IMPAIRMENT	
MOVING CASE VEHICLE AND CONTACTED MOVING VEHICLE (0) NO (1) YES (9) UNKNOWN		0 50	DRIVER ALCOHOL INVOLVEMENT (CASE VEHICLE) (0) NONE (1) YES (9) UNKNOWN/NOT REPORTED/ NO DRIVER	
CASE VEHICLE AND CONTACTED STOPPED VEHICLE (0) NO (1) YES (9) UNKNOWN		0 51	DRIVER ALCOHOL BAC (CASE VEHICLE) (80) NO TEST (90) CHEMICAL TESTS, NO RESULTS (95) AUTOPSY, NO RESULTS (99) UNKNOWN	
STOPPED CASE VEHICLE AND CONTACTED VEHICLE (0) NO (1) YES (9) UNKNOWN		0 52	WAS THERE MENTION OF DRIVER IMPAIRMENT FOR CASE VEHICLE? (0) NO (1) YES (9) UNKNOWN	
TOTAL NUMBER OF VEHICLES CONTACTED BY CASE VEHICLE IN CRASH (8) 8 OR MORE (9) UNKNOWN		0 53	LIST IMPAIRMENTS MENTIONED: _____ _____ _____	
ANY FIRE IN THIS CRASH (NOT JUST CASE VEHICLE) (0) NO (1) YES (9) UNKNOWN		0 54	POST - CRASH DETAIL MANNER CASE VEHICLE LEFT SCENE (1) DRIVEN (2) TOWED DUE TO DAMAGE (3) TOWED, NOT DUE TO DAMAGE (4) TOWED, REASON UNKNOWN (9) UNKNOWN	

ACCIDENT SCHEMATIC

ACCIDENT DESCRIPTION: Case vehicle (A) was traveling south in the southbound lane of a 2-lane roadway. Case vehicle (A) drifted across the center line, departed the roadway, and traveled down a shallow embankment. The left side of case vehicle (A) sideswiped a clump of trees before case vehicle (A) struck a tree with its right-front bumper. Case vehicle (A) came to rest facing south-south east. The driver of case vehicle (A) had a blood alcohol level of .16 percent

CASE VEHICLE (A): 1999 Pontiac Grand Am

OTHER VEHICLE (B): N/A

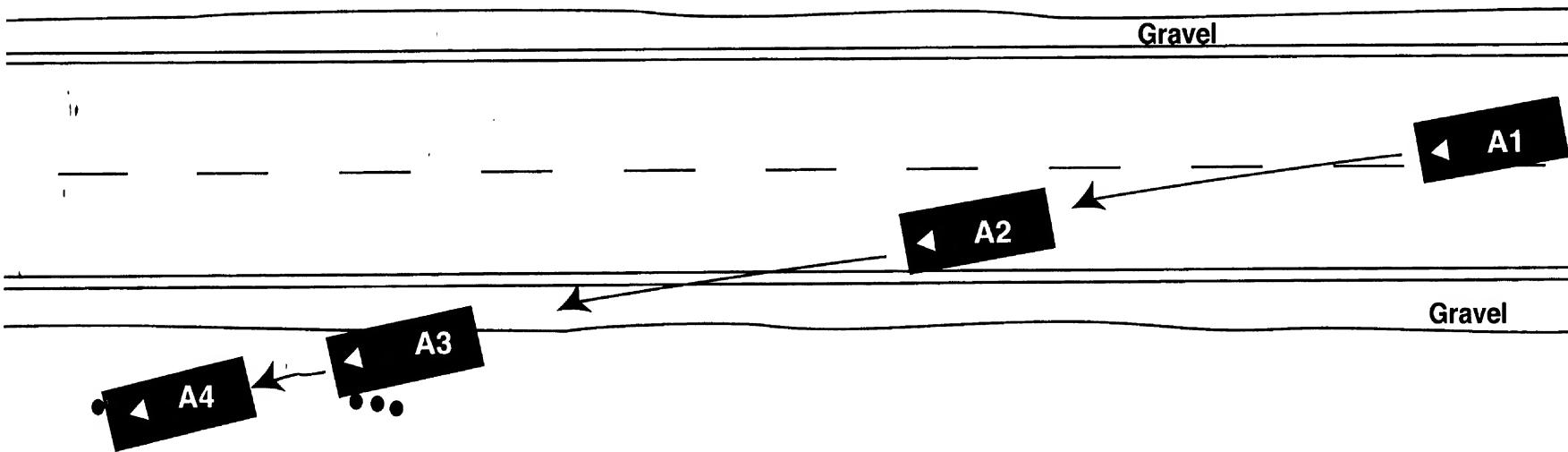
THIRD VEHICLE (C): N/A

Q-4



NORTH

Speed limit 55 mph



Duplicate columns 1-8
from the previous card.Module O
9 V
10 Format 0
11 4
12

OTHER VEHICLE

OV-1

MAKE: _____

CARGO: _____

MODEL: _____

VIN

13

29

MANUF/BODY CODE

30 —————— 34

MAKE/MODEL CODE

38

56 57

N/A

MODEL YEAR

39 —————— 42

VEHICLE MASS (kg)

43 —————— 48

IF SEPARATE REPORT WAS MADE,
GIVE VEHICLE NUMBER

VEHICLE TYPE

PASSENGER VEHICLE

- (02) LARGE
- (03) LIMOUSINE
- (17) PICKUP CAR
- (20) UNKNOWN PASSENGER VEHICLE BODY
- (24) SUB-MINI
- (25) MINI
- (26) SUB-COMPACT
- (27) COMPACT
- (28) INTERMEDIATE
- (29) FULL

MULTIPURPOSE PASSENGER VEHICLE

- (14) SMALL UTILITY (WHEELBASE LESS THAN 107",
E.G. JEEP, BRONCO)
- (15) LARGE UTILITY (WHEELBASE MORE THAN 107",
E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (17) PICKUP CAR WITH CANOPY/SHELL COVER
- (21) MOTOR HOME
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (23) PICKUP CAR WITH SLIDE-IN CAMPER
- (31) CHASSIS-MOUNTED CAMPER

TRUCK

- (11) VAN
- (12) PICKUP TRUCK
- (13) UNKNOWN LIGHT TRUCK
- (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (30) UNKNOWN TRUCK TYPE
- (31) CHASSIS-MOUNTED CAMPER
- (33) DELIVERY VAN (WALK-IN)
- (34) STRAIGHT TRUCK
- (35) TRUCK-TRACTOR (BOBTAIL)
- (36) CHASSIS-CAB
- (37) UNKNOWN HEAVY TRUCK
- (38) TRACTOR & SEMI-TRAILER (SEMI)
- (39) TRUCK (OR SEMI) & FULL TRAILER(S)

BUS

- (40) UNKNOWN BUS TYPE
- (41) SCHOOL BUS
- (42) INTERCITY BUS (BETWEEN CITIES)
- (43) TRANSIT BUS (INTRACITY)
- (44) STREETCAR (ON TRACKS)

- (68) TRAIN (CARS)
- (69) LOCOMOTIVE (ENGINE, SWITCHER)

(99) UNKNOWN

WHEELBASE (cm)

(999) UNKNOWN

58 59 60

HIGHEST POLICE INJURY SEVERITY
CODE FOR THIS VEHICLE

- (0) O - NO INJURY
- (1) C - POSSIBLE INJURY
- (2) B - NON-INCAPACITATING INJURY
- (3) A - INCAPACITATING INJURY
- (4) K - FATAL
- (5) INJURED, SEVERITY UNKNOWN
- (6) DIED PRIOR TO ACCIDENT
- (7) NON-FATAL INJURY
SEVERITY UNKNOWN
- (8) UNOCCUPIED VEHICLE
(NOT APPLICABLE)
- (9) UNKNOWN

55

X X

Duplicate columns 1-8
from the previous card.

Module O
9 V
10 Format 0
11 2
12

OTHER VEHICLE OV-2

ORIGINAL SPECIFICATIONS

Wheelbase	_____ cm	Front Overhang	_____ cm	22	24
Curb Weight	_____ kg	Rear Overhang	_____ cm	25	27
Average Track Width	_____ cm	Undeformed End Width (UEW)	_____ cm	28	30
Overall Length	_____ cm	Engine Displacement	_____ L	31	32
Overall Width (OAW)	_____ cm	Engine: # of Cylinders	_____	33	34

VEHICLE DAMAGE

N/A

FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL) _____ cm

35 37

Front-End Overlap (Percent) = $\frac{DDL}{UEW}$ _____ %

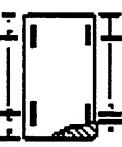
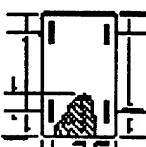
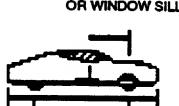
38 39

Vehicle Overlap (Percent) = $\frac{DDL + 1/2(OAW - UEW)}{OAW}$ _____ %

40 41

DUPLICATE COLUMNS 1-8 FROM THE PREVIOUS CARD.		MODULE V 9	D 10	FORMAT 0 11	4 12	VEHICLE DESCRIPTION VD-1
MAKE: <u>Pontiac</u>	MODEL: <u>Grand Am SE</u>					CARGO: <u>None</u>
VIN <u>1G2NE2X M 778</u>					<u>10000000</u>	
MANUFAC/BODY CODE <u>11528</u>						
MAKE/MODEL CODE <u>0331</u>						
MODEL YEAR <u>1999</u>						
VEHICLE MASS (kg) <u>00 1394</u>						
ODOMETER (km) (ENTER 9'S IF UNKNOWN) (ENTER 8'S IF ELECTRONIC) <u>888888</u>						
NUMBER OF OCCUPANTS (ENTER 9'S IF UNKNOWN) <u>01</u>						
TRAVELING SPEED (km/h) <u>999</u>						
<ul style="list-style-type: none"> (000) PARKED OR STOPPED (995) JUST STARTING UP (996) BACKING UP (997) SPEED NOT EXCESSIVE (BUT UNKNOWN) (998) SPEED EXCESSIVE (BUT UNKNOWN) (999) UNKNOWN 						
VEHICLE TYPE						
PASSENGER VEHICLE <ul style="list-style-type: none"> (11) 2-DOOR HARDTOP (NO UPPER B-PILLAR) (12) 2-DOOR SEDAN OR COUPE (ANY UPPER B-PILLAR) (13) 4-DOOR HARDTOP (14) 4-DOOR SEDAN (15) STATION WAGON (16) CONVERTIBLE (18) OTHER PASS. VEH. : (19) PASSENGER VEHICLE, TYPE UNKNOWN 	<u>12</u>	61				
MULTIPURPOSE PASSENGER VEHICLE <ul style="list-style-type: none"> (21) SMALL UTILITY (E.G. JEEP, SCOUT, BRONCO) (22) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN) (23) VAN, SIZE UNKNOWN (24) VAN, SMALL (MINI) (25) VAN, LARGE (29) MPV, TYPE UNKNOWN (30) MOTOR HOME 						
TRUCK <ul style="list-style-type: none"> (31) PICKUP TRUCK, UNKNOWN (32) PICKUP TRUCK, SMALL (DOWNSIZED) (33) PICKUP TRUCK, LARGE (99) UNKNOWN 						
<ul style="list-style-type: none"> (0) NO (1) YES (8) NOT COLLECTED (9) UNKNOWN 						
STOLEN VEHICLE <ul style="list-style-type: none"> (1) BODY & FRAME (2) UNITIZED (3) INTEGRAL-STUB FRAME (4) BODY & PLATFORM FRAME (E.G. VW BUG) (5) PARTIALLY UNITIZED (7) OTHER: _____ (9) UNKNOWN 						
BODY STRUCTURE <ul style="list-style-type: none"> (1) BODY & FRAME (2) UNITIZED (3) INTEGRAL-STUB FRAME (4) BODY & PLATFORM FRAME (E.G. VW BUG) (5) PARTIALLY UNITIZED (7) OTHER: _____ (9) UNKNOWN 						
TRANSMISSION <ul style="list-style-type: none"> (0) NONE (1) AUTOMATIC (2) MANUAL (9) UNKNOWN 						
LOCATION OF TRANSMISSION SELECTOR LEVER <ul style="list-style-type: none"> (1) FLOOR (2) CONSOLE (3) COLUMN (7) OTHER: _____ (9) UNKNOWN 						
STEERING <ul style="list-style-type: none"> (1) POWER (2) MANUAL (9) UNKNOWN 						
BRAKES <ul style="list-style-type: none"> (1) POWER (2) MANUAL (9) UNKNOWN 						

VEHICLE DESCRIPTION VD-2

TYPE OF BRAKES (1) DRUM, ALL WHEELS (2) DISC, FRONT WHEELS (3) DISC, ALL WHEELS (9) UNKNOWN	2 68	WHEELBASE (cm) (999) Unknown	271 76 77 78
BRAKE ANTI-LOCK DEVICE (0) NONE INSTALLED (1) TWO-WHEEL (2) FOUR-WHEEL (7) EQUIPPED, UNKNOWN WHEELS (9) UNKNOWN	2 69	PLASTIC ANTI-LACERATIVE INNER LAYER GLASS EQUIPPED (0) NONE (1) WINDSHIELD (2) WINDSHIELD AND SIDE (7) OTHER (9) UNKNOWN	∅ 79
AIR CONDITIONING IN VEHICLE (0) NO (1) YES (8) NOT COLLECTED (9) UNKNOWN	8 70		
TYPE OF DRIVE (1) REAR WHEEL (2) FRONT WHEEL (3) FOUR WHEEL (4) ALL WHEEL DRIVE (9) UNKNOWN	2 71	FIELD INVESTIGATOR INSTRUCTIONS: 1. INDICATE CRUSHED AREAS BY OUT-LINING NEW PERIMETER OF VEHICLE AND SHADING THE DAMAGED AREAS ON THE LARGE SKETCH ON PAGE VD-3. USE AS MANY SKETCHES AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE. 2. ENTER THE DIMENSIONS ON THE SKETCH(ES) MEASURED TO THE POINT OF MAXIMUM PENETRATION BY THE OBJECT(S) CONTACTED. USE THE EXAMPLES BELOW AS A GUIDE. 3. ENTER THE THREE DIMENSIONS TO THE CENTER OF THE WHEELS (WHEELBASE, FRONT AND REAR OVERHANGS) ON BOTH SIDES OF THE CAR. 4. ADD OTHER DIMENSIONS AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE.	
DUAL REAR WHEELS (0) NO (1) YES (9) UNKNOWN	∅ 72	EXAMPLES:	
ORIGINAL TYPE OF RESTRAINT SYSTEM (1) ACTIVE BELT (2) PASSIVE BELT (3) AIRBAG (4) KNEE BOLSTERS (7) OTHER: _____ (8) NOT APPLICABLE (NOT EQUIPPED) (9) UNKNOWN	3 73	 FRONT OR REAR	 SIDE
EQUIPPED WITH ROLL BAR (0) NO (1) YES (9) UNKNOWN	∅ 74		
TYPE OF ROOF (0) NONE (1) SOLID (2) T-TOP CLOSED (3) T-TOP OPEN (4) SUN ROOF CLOSED (5) SUN ROOF OPEN (6) CONVERTIBLE CLOSED (7) CONVERTIBLE OPEN (8) OTHER: _____ (9) UNKNOWN	1 75		 ROOF (REFERENCE TO TOP OF DOOR SILL OR WINDOW SILL)

Duplicate columns 1-8
from the previous card.

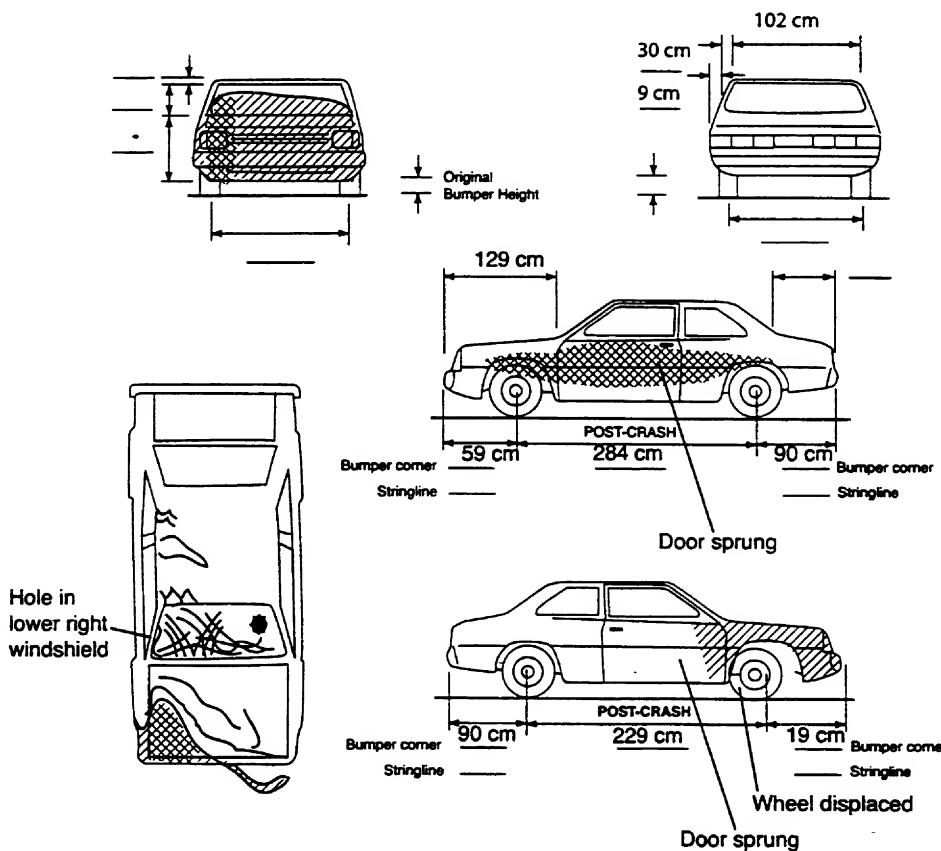
Module V 9 D 10 Format 0 11 2 12

VEHICLE DESCRIPTION VD-3

ORIGINAL SPECIFICATIONS			
Wheelbase	271	cm	Front Overhang
Curb Weight	1394	kg	Rear Overhang
Average Track Width	154	cm	Undeformed End Width (UEW)
Overall Length	473	cm	Engine Displacement
Overall Width (OAW)	179	cm	Engine: # of Cylinders

VEHICLE DAMAGE

MEASUREMENTS IN CENTIMETERS



FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL)

9 9 9 cm
35 37Front-End Overlap (Percent) = $\frac{DDL}{UEW}$ 9.9 %
38 39Vehicle Overlap (Percent) = $\frac{DDL + 1/2(OAW - UEW)}{OAW}$ 9.9 %
40 41

Duplicate columns 1-8
from the previous card.

Module D
9 A
10 Format 0
11 2
12

DAMAGE DA-1

PRIMARY	CASE VEHICLE PRIMARY CDC	CONTACTED VEHICLE ASSOCIATED CDC	
	EVENT NUMBER	2	998
	IMPACT SPEED (km/h)	999 14 15 16	35 36 37
	ESTIMATED BY	1 17	1 38
	CRUSH (cm)	116 18 19 20	998 39 40 41
	CDC #1	12 FREN 5 21 27	98 00000 0 42 48
	CDC #2	98 00000 0 28 34	98 00000 0 49 55

Duplicate columns 1-8
from the previous card.

Module D
9 A
10 Format 0
11 3
12

SECONDARY	CASE VEHICLE SECONDARY CDC	CONTACTED VEHICLE ASSOCIATED CDC	
	EVENT NUMBER	1	998
	IMPACT SPEED (km/h)	999 14 15 16	35 36 37
	ESTIMATED BY	1 17	1 38
	CRUSH (cm)	014 18 19 20	998 39 40 41
	CDC #1	12 LDES 2 21 27	98 00000 0 42 48
	CDC #2	98 00000 0 28 34	98 00000 0 49 55

CODES

EVENT NUMBER	IMPACT SPEED ESTIMATOR	CRUSH
(8) NOT APPLICABLE	(1) INVESTIGATOR	(998) NOT APPLICABLE (NO VEHICLE/DAMAGE)
(9) UNKNOWN	(2) DRIVER	(999) UNKNOWN
IMPACT SPEED	(3) POLICE	CDC
(998) NOT APPLICABLE	(4) "CRASH" PROGRAM	(9800000) NOT APPLICABLE
(999) UNKNOWN	(5) OTHER COMPUTER PROGRAM SPECIFY: _____	(9900000) UNKNOWN
	(7) OTHER:	
	(8) NOT APPLICABLE (NO VEHICLE/NO IMPACT)	

Duplicate columns 1-8
from the previous card.Module D
9 A
10 Format 0
11 1
12

DAMAGE DA-2

MAXIMUM SHEET METAL CRUSH

(cm) (999) UNKNOWN

FRONT 11
13 15
6RIGHT SIDE 000
16 18REAR 000
19 21LEFT SIDE 014
22 24ROOF 000
25 27OTHER 000
28 30

CHRONOLOGICAL SEQUENCE

OF DAMAGE/INJURY PRODUCING CRASH EVENTS

FOR CASE VEHICLE

NOTE: IF CHRONOLOGICAL ORDER
IS UNKNOWN, EVENT
ORDER IS OPTIONAL.DO YOU KNOW THIS TABLE
TO BE IN CHRONOLOGICAL ORDER?1
31(0) NO
(1) YES

EVENT NUMBER	IMPACT LOCATION (1) ON ROADWAY (2) SHOULDER/MEDIAN/GORE (3) ON ROADSIDE (4) OUTSIDE ROADSIDE RIGHT-OF-WAY (5) OTHER (6) OFF ROADWAY, LOC. UNK. (9) UNKNOWN	IMPACT CONFIGURATION FOR CODES, SEE TABLE ON PAGE DA-3.	OBJECT/VEHICLE CONTACTED FOR CODES, SEE TABLE ON PAGE DA-4.
#1	<u>3</u> <u>32</u>	<u>27</u> <u>34</u>	<u>77</u> <u>36</u>
#2	<u>3</u> <u>37</u>	<u>17</u> <u>39</u>	<u>77</u> <u>41</u>
#3	<u>42</u>	<u>44</u>	<u>46</u>
#4	<u>47</u>	<u>49</u>	<u>51</u>
#5	<u>52</u>	<u>54</u>	<u>56</u>
#6	<u>57</u>	<u>59</u>	<u>61</u>
#7	<u>62</u>	<u>64</u>	<u>66</u>

DAMAGE DA-3

CODES FOR
IMPACT CONFIGURATIONFRONT OF CASE VEHICLE

- (11) AND FRONT OF CONTACTED VEHICLE
- (13) AND SIDE OF CONTACTED VEHICLE
- (14) AND REAR OF CONTACTED VEHICLE
- (16) ENDSWIPE BY CONTACTED VEHICLE
- (17) AND OBJECT
- (19) AND UNKNOWN OTHER VEHICLE CONFIGURATION

LEFT SIDE OF CASE VEHICLE

- (21) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (22) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (23) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (24) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (25) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (26) SIDESWIPE BY CONTACTED VEHICLE
- (27) AND OBJECT
- (29) AND UNKNOWN OTHER VEHICLE CONFIGURATION

REAR OF CASE VEHICLE

- (31) AND FRONT OF CONTACTED VEHICLE
- (33) AND SIDE OF CONTACTED VEHICLE
- (34) AND REAR OF CONTACTED VEHICLE
- (36) ENDSWIPE BY CONTACTED VEHICLE
- (37) AND OBJECT
- (39) AND UNKNOWN OTHER VEHICLE CONFIGURATION

RIGHT SIDE OF CASE VEHICLE

- (41) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (42) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (43) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (44) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (45) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (46) SIDESWIPE BY CONTACTED VEHICLE
- (47) AND OBJECT
- (49) AND UNKNOWN OTHER VEHICLE CONFIGURATION

OTHER

- (57) VEHICLE TO OBJECT
- (58) VEHICLE TO VEHICLE
- (59) VEHICLE TO VEHICLE, CONFIGURATION UNKNOWN

ROLLOVER

- (61) LESS THAN 360°
- (62) 360° OR MORE
- (69) DETAILS UNKNOWN

UNKNOWN

- (99) IMPACT TYPE UNKNOWN

DAMAGE DA-4

CODES FOR VEHICLE/OBJECT CONTACTED

VEHICLE/OBJECT GROUPS

- (00) NO OBJECT
- (01) - (39) PASSENGER VEHICLE & TRUCK
- (40) - (69) OTHER VEHICLE
- (70) - (76) PEDESTRIAN & ON-ROADWAY OBJECT
- (77) - (97) OFF-ROADWAY OBJECT

- (98) OTHER (DESCRIBE)
- (99) UNKNOWN

PASSENGER VEHICLE

- (02) LARGE
- (03) LIMOUSINE
- (17) PICKUP
- (20) UNKNOWN PASSENGER VEHICLE BODY
- (24) SUB-MINI
- (25) MINI
- (26) SUB-COMPACT
- (27) COMPACT
- (28) INTERMEDIATE
- (29) FULL

SIZE

	<u>WHEELBASE</u>
SUB-MINI	< 2286 mm (< 90")
MINI	2286 - 2412 mm (90" - 94.9")
SUB-COMPACT	2413 - 2539 mm (95" - 99.9")
COMPACT	2540 - 2666 mm (100" - 104.9")
INTERMEDIATE	2667 - 2793 mm (105" - 109.9")
FULL	2794 - 2920 mm (110" - 114.9")
LARGE	2921 - 3174 mm (115" - 124.9")
LIMOUSINE	> 3175 mm (> 125")

- MULTIPURPOSE PASSENGER VEHICLE

- (11) SMALL VAN (MINI)
- (12) PICKUP
- (14) SMALL UTILITY (WHEELBASE LESS THAN 107", E.G. JEEP, BRONCO)
- (15) LARGE UTILITY (WHEELBASE MORE THAN 107", E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (17) PICKUP CAR WITH CANOPY/SHELL COVER
- (21) MOTOR HOME
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (23) PICKUP CAR WITH SLIDE-IN CAMPER
- (31) CHASSIS-MOUNTED CAMPER

TRUCK

- (11) SMALL VAN (E.G. ECONOLINE)
- (12) PICKUP TRUCK
- (13) UNKNOWN LIGHT TRUCK
- (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (30) UNKNOWN TRUCK TYPE
- (31) CHASSIS-MOUNTED CAMPER
- (33) DELIVERY VAN (WALK-IN)
- (34) STRAIGHT TRUCK
- (35) TRUCK-TRACTOR (BOBTAIL)
- (36) CHASSIS-CAB
- (37) UNKNOWN HEAVY TRUCK
- (38) TRACTOR & SEMI-TRAILER (SEMI)
- (39) TRUCK (OR SEMI) & FULL TRAILER(S)

BUS

- (40) UNKNOWN BUS TYPE
- (41) SCHOOL BUS
- (42) INTERCITY BUS (BETWEEN CITIES)
- (43) TRANSIT BUS (INTRACITY)
- (44) STREETCAR (ON TRACKS)

MOTORCYCLE

- (50) UNKNOWN MOTORCYCLE TYPE
- (51) 1 - 75 cc
- (52) 76 - 125 cc
- (53) 126 - 250 cc
- (54) 251 - 500 cc
- (55) 501 - 750 cc
- (56) 751 cc +
- (57) 3-WHEELS (OR WITH SIDECAR)

SPECIAL PURPOSE VEHICLE

- (60) UNKNOWN/OTHER SPECIAL VEHICLE (DESCRIBE)
- (61) SNOWMOBILE
- (62) ATV (ALL TERRAIN VEHICLE)
- (63) AMPHIBIOUS VEHICLE
- (64) FARM VEHICLE
- (65) CONSTRUCTION VEHICLE
- (66) TRAILER, PRIVATE (CAMPER)
- (67) TRAILER, COMMERCIAL (CARGO)
- (68) TRAIN (CARS)
- (69) LOCOMOTIVE (ENGINE, SWITCHER)

OBJECT

- (70) PEDESTRIAN
- (71) BICYCLIST, OTHER PEDALCYCLIST
- (72) PEDESTRIAN CONVEYANCE (E.G. PERSON RIDING ANIMAL, CART)
- (73) LARGE ANIMAL
- (74) FALLEN OBJECT (E.G. OBJECT DISLODGED FROM OTHER VEHICLE, FALLEN TREE, ROCKS)
- (75) ROCKS
- (76) CONSTRUCTION EQUIPMENT (EXCLUDING (65))
- (77) SIGN POST, UTILITY POLE, TREE
- (78) DITCH
- (79) EMBANKMENT, SNOWBANK, RR TRACKS RR X
- (80) GROUND (ROLLOVER ONLY)
- (81) CURB (DAMAGE PRODUCING IMPACTS ONLY)
- (82) CULVERT
- (83) FENCE
- (84) HYDRANT, SHORT POST, STUMP
- (85) SMALL POST/TREE, RURAL MAIL BOX, MILE MARKER, DELINEATOR
- (86) BUILDING
- (87) PIER, PILLAR, BRIDGE SUPPORT
- (88) ABUTMENT, RETAINING WALL
- (89) BRIDGE RAIL
- (90) GUARD RAIL, LEADING SECTION
- (91) GUARD RAIL, MIDDLE OR UNKNOWN
- (92) GUARD RAIL, TRAILING SECTION
- (93) GUARD POST (TIMBER, METAL, CONCRETE)
- (94) CABLE, FENCE BARRIER
- (95) CONCRETE BARRIER (MEDIAN)
- (96) IMPACT ATTENUATOR
- (97) BREAKAWAY FEATURES

Duplicate columns 1-8
from the previous card.

Module C 9 R 10 Format 0 11 1 12

CRASH RECONSTRUCTION CR-1
for ΔV

		CASE VEHICLE PRIMARY IMPACT		CASE VEHICLE SECONDARY IMPACT	
		CASE VEHICLE	CONTACTED VEHICLE	CASE VEHICLE	CONTACTED VEHICLE
		2 13		1 47	
EVENT NUMBER					
ΔV (km/h)	TOTAL	0 7 1 14 15 16	8 8 8 32 33 34	9 9 9 48 49 50	8 8 8 66 67 68
	LONGITUDINAL*	- 0 7 1 17 20	8 8 8 8 35 38	9 9 9 9 51 54	8 8 8 8 69 72
	LATERAL*	+ 0 0 0 21 24	8 8 8 8 39 42	9 9 9 9 55 58	8 8 8 8 73 76
*NOTE: THESE ΔV COMPONENTS MUST INCLUDE SIGN.					
EXAMPLES: 10 km/h = +0 1 0 -7 km/h = -0 0 7					
ENERGY DISSIPATED BY CRUSH (kJ)		0 3 1 7 25 28	8 8 8 43 46	9 9 9 9 59 62	8 8 8 8 77 80
RECONSTRUCTION		317145			
(01) REconstructed, UNKNOWN CONFIDENCE LEVEL		2 2 29 30		0 8 63 64	
(21) REconstructed, LOW CONFIDENCE LEVEL					
(22) REconstructed, MODERATE CONFIDENCE LEVEL					
(23) REconstructed, HIGH CONFIDENCE LEVEL					
NOT REconstructed BECAUSE					
(02) INSUFFICIENT DATA					
(03) EXCESSIVE UNDERRIde/ OVERRIde					
(04) ROLLOVER					
(05) VAULTING					
(06) OTHER TRAVEL IN MORE THAN ONE PLANE					
(07) NON-HORIZONTAL FORCE					
(08) SIDESWIPE-TYPE DAMAGE					
(09) YIELDING OBJECT					
(10) OTHER:					
(11) AT LEAST ONE VEHICLE BEYOND SCOPE					
(12) OTHER VEHICLE NOT INSPECTED					
MODE		2 31		5 65	
(1) CDC ONLY					
(2) CDC & DETAILED DAMAGE					
(3) TRAJECTORY & CDC					
(4) TRAJECTORY & CDC & DETAILED DAMAGE					
(5) NOT REconstructed					
COMPUTER PROGRAM SPECIFY:					

Duplicate columns 1-8
from the previous card.

Module C 9 R 10 Format 0 11 2 12

CRASH RECONSTRUCTION CR-2
for EBS

		CASE VEHICLE PRIMARY IMPACT		CASE VEHICLE SECONDARY IMPACT	
		CASE VEHICLE	CONTACTED VEHICLE	CASE VEHICLE	CONTACTED VEHICLE
		13		47	
EVENT NUMBER		2		1	
EBS (km/h)	TOTAL	071 14 15 16	888 32 33 34	999 48 49 50	888 66 67 68
	LONGITUDINAL*	-071 17 - 20	8888 35 38	9999 51 - 54	8888 69 - 72
	LATERAL*	+000 21 24	8888 39 42	9999 55 - 58	8888 73 - 76
	NOTE: THESE EBS COMPONENTS MUST INCLUDE SIGN.				
	EXAMPLES: 10 km/h = +010 -7 km/h = -007				
ENERGY DISSIPATED BY CRUSH (kj)		0317 25 28	8888 43 46	9999 59 - 62	8888 77 - 80
RECONSTRUCTION		22 29 - 30		08 63 - 64	
	(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL				
	(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL				
	(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL				
	(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL				
NOT RECONSTRUCTED BECAUSE					
	(02) INSUFFICIENT DATA				
	(03) EXCESSIVE UNDERRIDE/ OVERRISE				
	(04) ROLLOVER				
	(05) VAULTING				
	(06) OTHER TRAVEL IN MORE THAN ONE PLANE				
	(07) NON-HORIZONTAL FORCE				
	(08) SIDESWIPE-TYPE DAMAGE				
	(09) YIELDING OBJECT				
	(10) OTHER: _____				
	(11) AT LEAST ONE VEHICLE BEYOND SCOPE				
	(12) OTHER VEHICLE NOT INSPECTED				
MODE		2 31		5 65	
	(1) CDC ONLY				
	(2) CDC & DETAILED DAMAGE				
	(3) TRAJECTORY & CDC				
	(4) TRAJECTORY & CDC & DETAILED DAMAGE				
	(5) NOT RECONSTRUCTED				
	COMPUTER PROGRAM SPECIFY: _____				

Duplicate columns 1-8
from the previous card.

Module C 9 R 10 Format 0 11 3 12

CRASH RECONSTRUCTION CR-3

NOTES: 1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.

2. MEASURE C₁ TO C₆ FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR IMPACTS, REAR TO FRONT IN SIDE IMPACTS.

3. D IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.

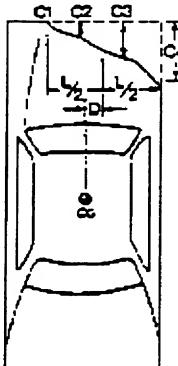
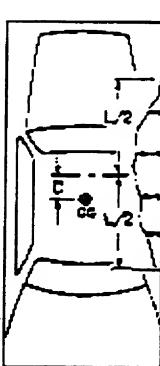
4. USE THE CENTER OF THE WHEELBASE AS THE CG.

CASE VEHICLE

LOCATOR

Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L
1	Ends -33 cm from rear axle	
2	Ends -94 cm from front bumper corner	B.C. to B.C.



DL 37
UDL 113

PLANE:

- (1) Bumper
- (2) Above Bumper
- (3) Sill
- (4) Above Sill
- (5) Other _____
- (9) Unknown

CRUSH PROFILE IN CENTIMETERS

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

Specific Impact Number	Plane of Impact C-Measur.	Direct Damage		Field L	C ₁	C ₂	C ₃	C ₄	C ₅	C ₆	±D
		Length (DDL)	Max Crush								
2	Bumper	37	C6	63	29	43	75	107	115	124	+38
	-Freespace				-8	-2	-1	-1	-2	-8	
					21	41	74	106	113	116	
1	1	037	116	063	021	041	074	106	113	116	+038
13	14	15 16 17	18 19 20	21 22 23	24 25 26	27 28 29	30 31 32	33 34 35	36 37 38	39 40 41	42 43 44 45
1	Above Sill	325	19	unk	unk	unk	unk	unk	unk	unk	-5
2	4	325	014	999	999	999	999	999	999	999	-005

Duplicate columns 1-8
from the previous card.

Module C 9 R 10 Format 0 11 4 12

CRASH RECONSTRUCTION CR-4

NOTES: 1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.

2. MEASURE C₁ TO C₆ FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR IMPACTS, REAR TO FRONT IN SIDE IMPACTS.

3. D IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.

4. USE THE CENTER OF THE WHEELBASE AS THE CG.

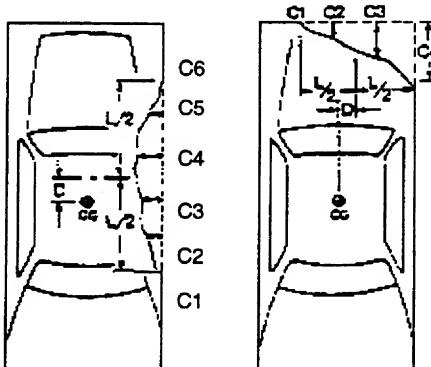
OTHER VEHICLE

LOCATOR

Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L

N/A



PLANE:

- (1) Bumper
- (2) Above Bumper
- (3) Sill
- (4) Above Sill
- (5) Other _____
- (9) Unknown

DL _____

UDL _____

CRUSH PROFILE IN CENTIMETERS

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

Specific Impact Number	Plane of Impact C-Measur.	Direct Damage		Field L	C ₁	C ₂	C ₃	C ₄	C ₅	C ₆	±D	
		Length (DDL)	Max Crush									
1												
13	14	15 16 17	18 19 20	21 22 23	24 25 26	27 28 29	30 31 32	33 34 35	36 37 38	39 40 41	42 43 44 45	
2												

Duplicate columns 1-8 from the previous card.		Module	W 9	T 10	Format 0 11	1 12	WHEELS AND TIRES	WT-1
WHEELS--DAMAGED		LF	<u>Ø</u> <u>13</u>	SIZE (NOT DOT CODE. IF UNKNOWN, USE 9'S)				
(0) NO (1) YES (9) UNKNOWN		RF	<u>1</u>	LF	<u>P 2156ØSR15</u>			
		RR	<u>Ø</u>	RF	<u>P 2156ØSR15</u>			
		LR	<u>Ø</u> <u>16</u>	RR	<u>P 2156ØSR15</u>			
				LR	<u>P 2156ØSR15</u>			
TIRE TREAD TYPE		LF	<u>4</u> <u>17</u>					
(1) REGULAR (2) SNOW (3) SLICKS (4) ALL WEATHER (MS) (7) OTHER: _____ (9) UNKNOWN		RF	<u>4</u>					
		RR	<u>4</u>					
		LR	<u>4</u> <u>20</u>					
CARCASS CONSTRUCTION		LF	<u>3</u> <u>21</u>					
(1) BIAS (2) BELTED BIAS (3) RADIAL (4) ELLIPTICAL (5) HI PRESSURE SPARE (6) SPACE SAVER SPARE (7) OTHER: _____ (9) UNKNOWN		RF	<u>3</u>					
		RR	<u>3</u>					
		LR	<u>3</u> <u>24</u>					
IF VEHICLE IS EQUIPPED WITH DUAL WHEELS, COMPLETE FOR OUTER WHEELS AND MAKE NOTES ON INNER WHEELS.								
NOTES: _____ _____ _____								

Duplicate columns 1-8
from the previous card.Module F 9 T 10 Format 0 11 1 12

FUEL AND FUEL TANKS FT-1

TYPE OF PROPULSIVE FUEL	<u>1</u> 13	AUXILIARY TANK TYPE	<u>8</u> 21
(1) GASOLINE (2) DIESEL OIL (3) LPG (4) ELECTRIC (7) OTHER: _____ (9) UNKNOWN		(1) OEM TANK (2) AFTER MARKET TANK (8) NOT APPLICABLE (NOT EQUIPPED) (9) UNKNOWN	
MAIN TANK LOCATION	<u>322</u> 14 16	AUXILIARY TANK LOCATION	<u>888</u> 22 24
MAIN FILLER CAP LOCATION	<u>133</u> 17 19	AUXILIARY FILLER CAP LOCATION	<u>888</u> 25 27
MAIN TANK MATERIAL	<u>1</u> 20	AUXILIARY TANK MATERIAL	<u>8</u> 28

TANK AND FILLER CAP LOCATION CODES

FIRST DIGIT (LONGITUDINAL)

- (1) BEHIND KICK-UP
- (2) IN KICK-UP
- (3) BETWEEN KICK-UP & COWL
- (4) FORWARD OF COWL
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

SECOND DIGIT (LATERAL)

- (1) LEFT OF FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) RIGHT OF FRAME
- (4) DUAL, RIGHT & LEFT TANKS
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

THIRD DIGIT (VERTICAL)

- (1) BELOW FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) ABOVE FRAME
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

TANK MATERIAL CODES

- (1) STEEL
- (2) ALUMINUM
- (3) PLASTIC
- (7) OTHER
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

Duplicate columns 1-8
from the previous card.Module F 9 L 10 Format 0 1
11 12

FUEL LEAKAGE FL-1

DID FUEL LEAKAGE RESULT FROM A CRASH EVENT

(0) NO KNOWN LEAKAGE SKIP PAGE.(1) YES COMPLETE PAGE.

13

LEAK NUMBER	I LEAKING COMPONENT	II COMPONENT SOURCE	III TYPE OF DAMAGE	IV SEVERITY OF DAMAGE	V LOCATION OF LEAK	EVENT NUMBER
#1	— — 14 15	—	—	—	— —	21
#2	— — 22 23	—	—	—	— —	29
#3	— — 30 31	—	—	—	— —	37
#4	— — 38 39	—	—	—	— —	45
#5	— — 46 47	—	—	—	— —	53

I LEAKING COMPONENT

IV SEVERITY OF DAMAGE

TANK AREA

- (11) MAIN FUEL TANK (INCLUDING VAPOR RECOVERY DOME)
- (12) AUXILIARY FUEL TANK
- (13) MAIN TANK FILLER TUBE
- (14) MAIN TANK CAP (GAS CAP)
- (15) AUXILIARY TANK FILLER TUBE
- (16) AUXILIARY TANK CAP (GAS CAP)
- (19) TANK AREA, DETAILS UNKNOWN

EEC SYSTEM (CONTINUED)

- (33) VAPOR RECOVERY HOSES (CANISTER TO CARBURETOR)
- (34) LIQUID-VAPOR SEPARATOR (UNLESS PART OF TANK)
- (35) CANISTER
- (39) EEC SYSTEM, DETAILS UNKNOWN

- (1) MINOR
- (2) MODERATE
- (3) SEVERE
- (4) DISCONNECTED/DEFEATED
- (9) UNKNOWN

DELIVERY SYSTEM

- (21) FUEL FEED LINE (MAIN TANK TO FUEL PUMP)
- (22) FUEL FEED LINE (AUXILIARY TANK TO FUEL PUMP)
- (23) FUEL RETURN LINE (FUEL PUMP TO TANK)
- (24) INLINE FUEL FILTER
- (25) FUEL LINE (PUMP TO CARBURETOR OR INJECTOR PUMP)
- (26) CARBURETOR TO INJECTOR PUMP
- (27) FUEL PUMP
- (29) DELIVERY SYSTEM, DETAILS UNKNOWN

II COMPONENT SOURCE

- (1) OEM
- (2) AFTER MARKET
- (9) UNKNOWN

V LOCATION OF LEAK

FIRST DIGIT (LONGITUDINAL LOCATION)

- (1) F, FORWARD OF COWL
- (2) P, BETWEEN COWL & REAR BULKHEAD
- (3) B, BEHIND REAR BULKHEAD
- (4) Y, F, & P
- (5) Z, P, & B
- (6) D, DISTRIBUTED (F, P & B)
- (9) UNKNOWN

EVAPORATIVE EMISSION CONTROL SYSTEM

- (31) ATMOSPHERIC VENT PIPE (NON-EEC EQUIPPED)
- (32) EEC PIPE (VAPOR CANISTER TO CARBURETOR)

III TYPE OF DAMAGE

- (1) DENTED/CRUSHED
- (2) PUNCTURED
- (3) RUPTURED
- (4) SEVERED/GROSS TEARS
- (5) DISCONNECTED/DEFEATED
- (9) UNKNOWN

SECOND DIGIT (LATERAL LOCATION)

- (1) L, LEFT
- (2) C, CENTER
- (3) R, RIGHT
- (4) Y, LEFT CENTER (L & C)
- (5) Z, RIGHT CENTER (R & C)
- (6) D, DISTRIBUTED (F, P & B)
- (9) UNKNOWN

Duplicate columns 1-8
from the previous card.

Module F 9 R 10 Format 0 11 1 12

FIRE FR-1

WAS THERE FIRE IN OR ON CASE VEHICLE?

(0) NO SKIP PAGE.
(1) YES COMPLETE PAGE.

13
Ø

DID FIRE START IN CASE VEHICLE?

(0) NO
(1) YES
(9) UNKNOWN

14

SEVERITY OF FIRE DAMAGE

(1) MINOR
(2) MODERATE
(3) SEVERE
(9) UNKNOWN

16

FLAME PROPOGATION RATE

(1) RAPID/EXPLOSIVE
(2) SLOW/MODERATE
(9) UNKNOWN

15

DID AN INJURY TO CASE
VEHICLE OCCUPANT RESULT FROM
FIRE IN OR ON CASE VEHICLE?

(0) NO
(1) YES
(9) UNKNOWN

17

PROVIDE NOTES IF FIRE OCCURRED.

EXTERIOR DAMAGE

ED-2

<p>LEFT-SIDE BODY MOUNT</p> <p>DID BODY MOUNT SEPARATE?</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN</p>		 34	<p>LEFT DOORS</p> <p>HOW DID DOORS OPEN DURING COLLISION?</p> <p>USE CODES:</p> <p>(0) DOOR DID NOT OPEN OPENED BECAUSE OF</p> <ul style="list-style-type: none"> (1) HINGE AREA SEPARATION (2) DOOR-LATCH SEPARATION (3) LATCH-STRIKER SEPARATION (4) STRIKER-PILLAR SEPARATION (5) BODY DISTORTION (6) COMBINATION OF ABOVE <i>(CIRCLE EACH)</i> (7) OPENED, REASON UNKNOWN <p>(8) NOT APPLICABLE (NO DOOR) (9) UNKNOWN</p>	
<p>LEFT PILLARS</p> <p>PILLARS SEPARATED COMPLETELY -</p> <p>USE CODES:</p> <p>(0) NO (1) YES (4) NO SEPARATION, BUT DAMAGED (8) NOT APPLICABLE (NOT EQUIPPED) (9) UNKNOWN</p>			<p>-A-PILLAR, UPPER</p> 35	
			<p>LOWER</p> 36	
<p>-B-PILLAR, UPPER</p>			 37	
			<p>LOWER</p> 38	
<p>-C-PILLAR, UPPER</p>			 39	
			<p>LOWER</p> 40	
<p>-D-PILLAR, UPPER</p>			 41	
			<p>LOWER</p> 42	
			<p>-FRONT</p> 43	
			<p>-REAR</p> 44	
			<p>DOORS JAMMED CLOSED-</p> <p>USE CODES:</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO DOOR) (9) UNKNOWN</p>	
			<p>-FRONT</p> 45	
			<p>-REAR</p> 46	

EXTERIOR DAMAGE

ED-3

<p>REAR DOOR</p> <p>REAR DOOR TYPE</p> <p>(0) NO DOOR (INCLUDES PICKUPS) (1) HATCHBACK (2) ONE-WAY TAILGATE (3) TWO-WAY TAILGATE (4) CLAMSHELL/DISAPPEARING TAILGATE (5) SINGLE DOOR (6) DOUBLE DOOR (9) UNKNOWN</p> <p>Hatchback </p> <p>One-way  </p> <p>Two-way  or </p> <p>Clamshell </p> <p>Single door </p> <p>Double door </p> <p>HOW DID DOOR OPEN DURING COLLISION?</p> <p>(0) DOOR DID NOT OPEN</p> <p>OPENED BECAUSE OF</p> <p>(1) HINGE AREA SEPARATION (2) DOOR-LATCH SEPARATION (3) LATCH-STRIKER SEPARATION (4) STRIKER-PILLAR SEPARATION (5) BODY DISTORTION (6) COMBINATION OF ABOVE (CIRCLE EACH) (7) OPENED, REASON UNKNOWN (8) NOT APPLICABLE (NO DOOR) (9) UNKNOWN</p> <p>DOOR JAMMED CLOSED</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO DOOR) (9) UNKNOWN</p>	<p>47</p> <p>8</p> <p>48</p> <p>49</p>	<p>OTHER REAR DAMAGE</p> <p>WAS PARTITION TO LUGGAGE AREA DAMAGED DURING COLLISION?</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN</p> <p>SPARE TIRE</p> <p>(0) NO SPARE TIRE (1) NOT ATTACHED BEFORE COLLISION (2) ATTACHED, NOT SEPARATED IN COLLISION (3) ATTACHED, SEPARATED DUE TO COLLISION (8) NOT COLLECTED (9) UNKNOWN</p> <p>TRAILER HITCH TYPE</p> <p>(0) NO HITCH</p> <p>BALL-AND-SOCKET TYPES</p> <p>(1) TEMPORARY FRAMEWORK (E.G. RENTAL CLAMP-ON) (2) BUMPER-MOUNT ONLY (E.G. LIGHT TRUCK) (3) BUMPER-AND-FRAME (BUT NON-EQUALIZING) (4) LOAD EQUALIZING</p> <p>OTHER TYPES</p> <p>(5) RING-AND-PINTLE (6) FIFTH-WHEEL (INCL. P/U) (7) OTHER (E.G. CLEVIS-AND-PIN)</p> <p>(8) EQUIPPED, TYPE UNKNOWN (9) UNKNOWN IF EQUIPPED</p> <p>TRAILER TYPE (AT TIME OF COLLISION)</p> <p>(0) NO TRAILER (1) TRAVEL-TRAILER/CAMPER (2) MOBILE HOME (3) BOAT/SNOWMOBILE/ATV TRAILER (4) UTILITY TRAILER (5) TOWED CAR (7) OTHER: _____ (8) TRAILER, TYPE UNKNOWN (9) UNKNOWN</p>	<p>50</p> <p>8</p> <p>51</p> <p>52</p> <p>53</p>
---	--	---	--

EXTERIOR DAMAGE ED-4

RIGHT-SIDE BODY MOUNT		8	RIGHT DOORS	
DID BODY MOUNT SEPARATE?		54	HOW DID DOORS OPEN DURING COLLISION?	
(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN			USE CODES:	
PILLARS SEPARATED COMPLETELY -			(00) DOOR DID NOT OPEN	
USE CODES:			OPENED BECAUSE OF	
(0) NO (1) YES (4) NO SEPARATION, BUT DAMAGED (8) NOT APPLICABLE (<i>NOT EQUIPPED</i>) (9) UNKNOWN			(01) HINGE AREA SEPARATION (02) DOOR-LATCH SEPARATION (03) LATCH-STRIKER SEPARATION (04) STRIKER-PILLAR SEPARATION (05) BODY DISTORTION (06) COMBINATION OF ABOVE (<i>CIRCLE EACH</i>) (07) OPENED, REASON UNKNOWN (11) VAN RIGHT-REAR DOOR OPENED (<i>ANY MECHANISM</i>)	
-A-PILLAR, UPPER	4	55	(98) NOT APPLICABLE (NO DOOR) (99) UNKNOWN	
LOWER	4	56		-FRONT 1 1 63 64
-B-PILLAR, UPPER	4	57		-REAR 9 8 65 66
LOWER	1	58	DOORS JAMMED CLOSED-	
-C-PILLAR, UPPER	0	59	USE CODES:	
LOWER	8	60	(0) NO (1) YES (8) NOT APPLICABLE (NO DOOR) (9) UNKNOWN	-FRONT 0 67
-D-PILLAR, UPPER	8	61		-REAR 8 68
LOWER	8	62	VAN REAR DOOR TYPE	
			(0) VAN, NO REAR DOOR (1) TRACK (<i>SLIDING</i>) - RIGHT SIDE (2) SINGLE-HINGED - RIGHT SIDE (3) DOUBLE-HINGED - RIGHT SIDE (4) TRACK (<i>SLIDING</i>) - RIGHT & LEFT SIDE (5) SINGLE-HINGED - RIGHT & LEFT SIDE (6) DOUBLE-HINGED - RIGHT & LEFT SIDE (7) TRACK AND HINGED COMBINATION (8) NOT APPLICABLE (<i>NOT A VAN</i>) (9) UNKNOWN	

EXTERIOR DAMAGE

ED-5

WINDSHIELD DAMAGE

WINDSHIELD CRACKED

(0) NO
 (1) YES
 (8) NOT APPLICABLE
 (9) UNKNOWN

70

WINDSHIELD BROKEN
(PLASTIC INTERLAYER TORN)

(0) NO
 (1) YES
 (8) NOT APPLICABLE
 (9) UNKNOWN

71

CRACKED OR BROKEN
BY OCCUPANT CONTACT

(0) NO
 (1) YES
 (8) NOT APPLICABLE
 (9) UNKNOWN

72

EXTENT OF BOND SEPARATION

(0) NONE
 (1) 1 - 20%
 (2) 21 - 40
 (3) 41 - 60
 (4) 61 - 80
 (5) 81 - 99
 (6) TOTAL
 (7) SEPARATED, AMOUNT
 UNKNOWN
 (8) NOT APPLICABLE
 (9) UNKNOWN

73

WINDSHIELD MARK ON CASE VEHICLE:

Unknown

WINDSHIELD CODE

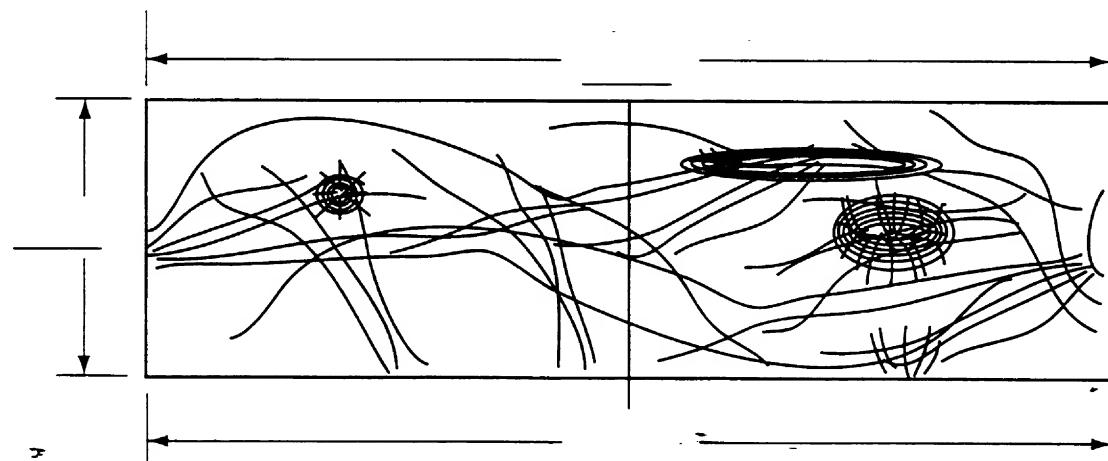
(97) DESCRIBED BUT NOT CODED
 (98) NOT APPLICABLE (NO WINDSHIELD)
 (99) UNKNOWN

99
74 75

ROOF

DID T-ROOF/SUN ROOF OPEN
DURING COLLISION?

(0) NO
 (1) YES
 (8) NOT APPLICABLE
 (NOT A T-ROOF OR SUN ROOF)
 (9) UNKNOWN

8
76LOCATE AREA OF WINDSHIELD INTEREST OR DAMAGE WITH DIMENSIONS (VERTICAL & HORIZONTAL) ON THIS DIAGRAM OF THE WINDSHIELD AS VIEWED FROM INSIDE.

Duplicate columns 1-8
from the previous card.

Module S 9 C 10 Format 0 11 1 12

STEERING WHEEL AND COLUMN SC-1

STEERING WHEEL

STEERING WHEEL RIM DAMAGE

- (0) NONE
- (1) DEFORMED SLIGHTLY
- (2) SEVERELY BENT
- (3) BROKEN
- (9) UNKNOWN

NUMBER OF STEERING WHEEL SPOKES

- (9) UNKNOWN

STEERING WHL SPOKE DAMAGE

- (0) NONE
- (1) DEFORMED SLIGHTLY
- (2) SEVERELY BENT
- (3) BROKEN
- (9) UNKNOWN

STEERING COLUMN OPTIONS

TILT FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED, UNK POSITION
- (2) UP
- (3) MIDDLE
- (4) LOWER
- (9) UNKNOWN IF EQUIPPED

SWING-AWAY FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED
- (9) UNKNOWN IF EQUIPPED

TELESCOPING FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED
- (9) UNKNOWN IF EQUIPPED

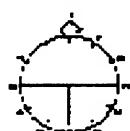


13

STEERING WHEEL POSITION AT TIME OF COLLISION

IN WHAT O'CLOCK POSITION WAS THE NORMAL TOP OF THE WHEEL POINTED WHEN THE COLLISION OCCURRED?

EXAMPLES

O'CLOCK = 2

(NORMAL STRAIGHT AHEAD)

O'CLOCK = 2O'CLOCK = 9

14



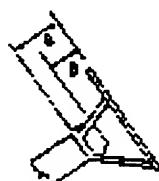
15

STEERING WHEEL ENERGY ABSORBING DEVICE

(1) EXAMPLES:



BARRACUDA, 70 - 74
CHALLENGER, 70-74
CAPRI, 71 - 77



(2) EXAMPLES:

OMNI, 78 -
HORIZON, 78 -



16

TYPE OF DEVICE

- (0) NONE
- (1) CONVOLUTED OR MESH CYLINDER
- (2) DEEP DISH STEERING WHEEL
- (7) OTHER: _____
- (8) NOT COLLECTED
- (9) UNKNOWN IF EQUIPPED

8
19

17

ORIGINAL DIMENSION (mm)

A: _____

DAMAGE DIMENSION (mm)

B: _____



18

DIFFERENCE (mm)

A - B

- (888) NOT COLLECTED
- (991) NOT MEASURED/NO APPARENT COMPRESSION
- (992) COMPRESSED, AMOUNT UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO MEASURE
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

8 8 8
20 22

STEERING WHEEL AND COLUMN SC-2

**STEERING COLUMN
ENERGY ABSORBING DEVICE**

TYPE OF DEVICE * (IF 27 OR 28)

- (00) NOT EQUIPPED
- (88) NOT COLLECTED
- (99) UNKNOWN

ORIGINAL LENGTH (mm)

C: _____

COMPRESSED LENGTH (mm)

D: _____

BRACKET DEFLECTION (IF CODE 36, 48,
OR 49 ABOVE)

OR

COMPRESSION (OR EXTRUSION) (mm)

C - D (OR E) (TOLERANCE: ± 10)

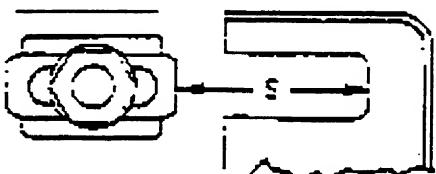
- (888) NOT COLLECTED
- (991) NOT MEASURED/NO APPARENT COMPRESSION
- (992) COMPRESSED, AMOUNT UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO BE MEASURED
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

* (ADD A & B FOR TOTAL COMPRESSION)

SHEAR CAPSULE SEPARATION (mm)

S (USE AVG. OF LEFT & RIGHT CAPSULES.)

LT:



RT:

- (888) NOT COLLECTED
- (991) NOT MEASURED/NO APPARENT SEPARATION
- (992) SEPARATED, AMOUNT UNKNOWN
- (997) UNABLE TO BE MEASURED
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

COLUMN VERTICAL ROTATION

- (0) NO APPARENT ROTATION
- (1) UPWARD APPARENT ROTATION
- (2) DOWNWARD APPARENT ROTATION
- (9) UNKNOWN

COLUMN LATERAL ROTATION

- (0) NO APPARENT ROTATION
- (1) LEFT APPARENT ROTATION
- (2) RIGHT APPARENT ROTATION
- (9) UNKNOWN

8
23 8
24

STEERING WHEEL (CONTINUED)

STEERING WHEEL HUB DAMAGE

- (0) NONE
- (1) OCCUPANT CONTACT
- (2) AIRBAG
- (3) OTHER _____
- (9) UNKNOWN

1
33

8
25 8
27

8
28 8
30

1
31

2
32

BEST AVAILABLE

1 = Definitely 2 = Probably 3 = Possible

INTRUSION IT-1

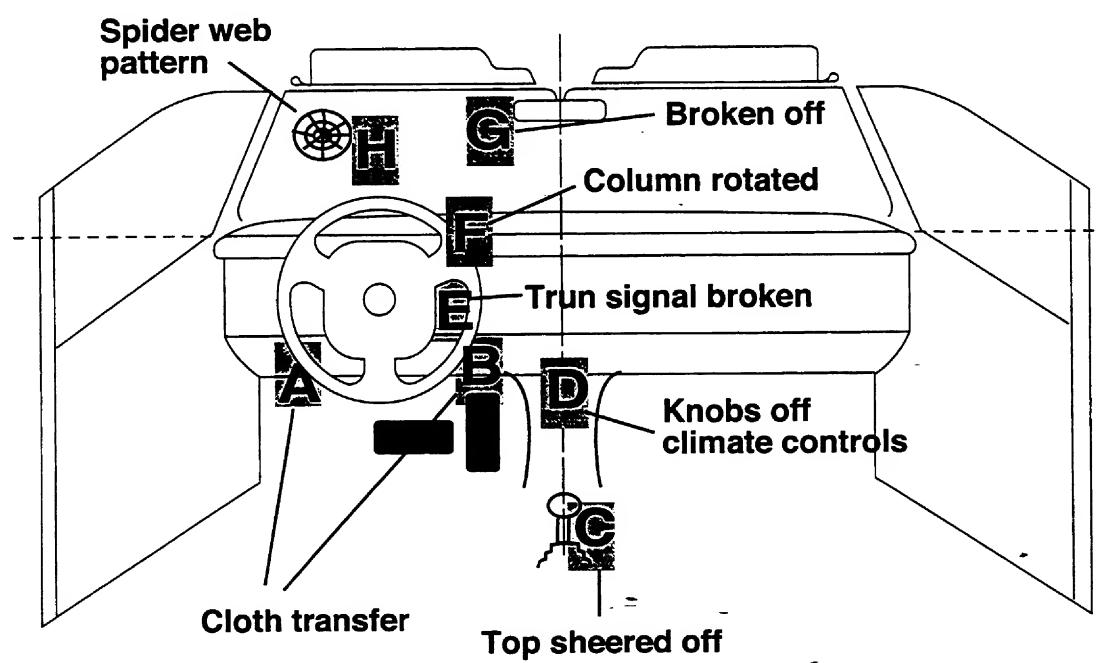
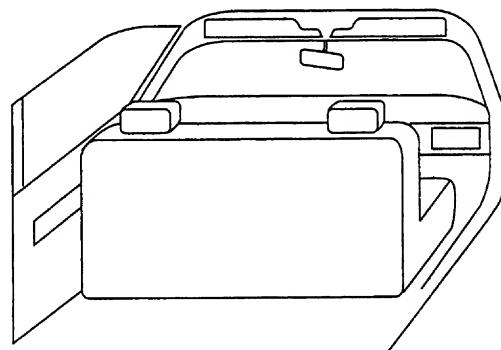
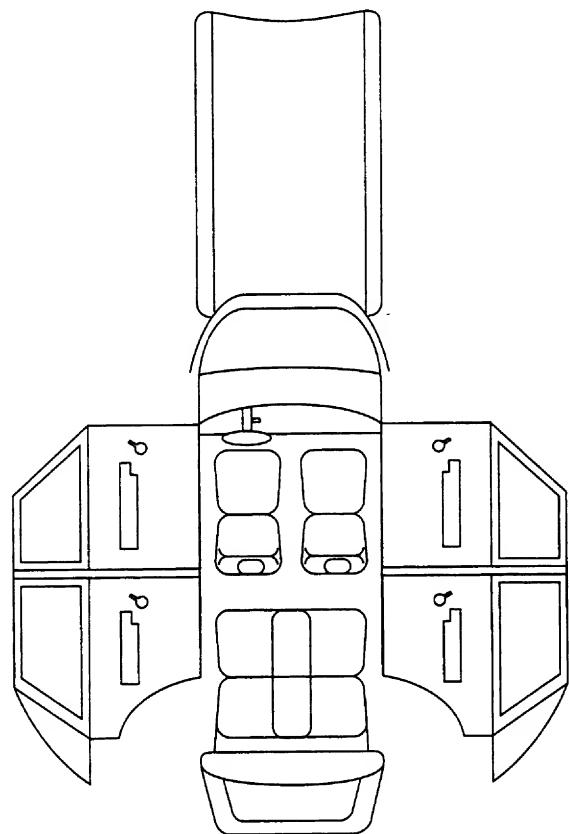
Location of Intrusion	Intruded Component	(All Measurements Are in Centimeters)			Dominant Crush Direction		
		Comparison Value	-	Intruded Value			
11	Toepan	140	-	105	=	35	rearward
11	Instrument panel	95	-	85	=	10	rearward
11	Door		-		=	14 (est)	lateral
11	Steering column	74		71		3	rearward
12	Instrument panel	95	-	71	=	24	rearward
13	Instrument panel	98	-	77	=	21	rearward
13	Toepan	140	-	86	=	54	rearward
			-		=		
			-		=		
			-		=		
			-		=		
			-		=		
			-		=		

OCCUPANT CONTACT WORKSHEET

Contact	Interior Component Contacted	Occupant No. if Known	Body Region if Known	Supporting Physical Evidence	Confidence Level of Contact Point
A	Knee bolster	1	Head	Cloth transfer	1
B	Knee bolster	1	Head	Cloth transfer	1
C	Shift lever	1	Head	Top sheared off	1
D	Center stack	1	Shoulder	Knobs off climate controls	1
E	Turn signal	1	Chest	Broken	3
F	Steering wheel	1	Chest	Column rotated	3
G	Rearview mirror	1	Head	Broken off	2
H	Windshield	1	Hand	Spider web pattern	1
I					
J					

INTRUSION IT-2

VEHICLE OCCUPANT CONTACT DIAGRAM



INTRUSION IT-3

CODES FOR COLUMN B, OCCUPANT SPACE NUMBER

OCCUPANT SPACE NUMBER IS A TWO-DIGIT CODE. THE USE OF THE CODE IS DETERMINED BY THE VEHICLE SEAT CONFIGURATION AT THE TIME OF THE ACCIDENT.

FIRST DIGIT

THE FIRST DIGIT (LEFT DIGIT) DENOTES THE SEAT ROW, WITH CODE VALUES FROM 1 TO 5.

SECOND DIGIT

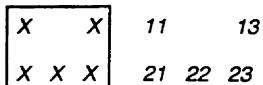
THE SECOND DIGIT (RIGHT DIGIT) DENOTES THE POSITION ON THE SEAT AND, IN SOME INSTANCES, THE WIDTH OF THE SEAT.

(1) LEFT	(3) RIGHT	INDIVIDUAL SEAT
(1) LEFT	(2) CENTER	(3) RIGHT BENCH: FULL WIDTH 3 PASSENGER
(1) LEFT	(2) LEFT CENTER	(6) RIGHT (3) RIGHT CENTER BENCH: FULL WIDTH 4 PASSENGER
(1) LEFT	(2) CENTER	(5) RIGHT & (5) RIGHT & AISLE SPACE BENCH: PARTIAL WIDTH, LEFT AISLE SPACE
(0) LEFT & SPACE	(2) CENTER	(5) RIGHT & BENCH: PARTIAL WIDTH, CENTERED SPACE
(4) ENTIRE VEHICLE WIDTH		CARGO AREA

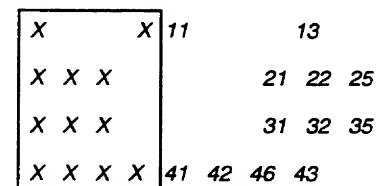
EXAMPLES

THE TWO FIGURES BELOW PROVIDE EXAMPLES OF THE OCCUPANT SPACE NUMBER.

PASSENGER CAR
5 PASSENGERS



VAN
12 PASSENGER CAPACITY



CODES FOR COLUMN F, MEASUREMENT AXIS

- (X) X-AXIS (FORE & AFT)
- (Y) Y-AXIS (LATERAL)
- (Z) Z-AXIS (VERTICAL)

CODES FOR COLUMNS G, H, I & J, OCCUPANT & INJURY NUMBERS

OCCUPANT NUMBER	INJURY NUMBER	<u>CONTACT</u>
(00)	(00)	NO CONTACT
(##)	(00)	CONTACT, NO INJURY
(97)	(99)	CONTACT, OCCUPANT UNKNOWN, INJURY UNKNOWN
(99)	(00) OR (99)	UNKNOWN IF CONTACT

INTRUSION IT-4

CODES FOR COLUMN C, INTRUDING COMPONENT OR OBJECT

NOTE: DO NOT CODE OBJECTS OTHER THAN COMPONENTS OF CASE VEHICLE.

INDIVIDUAL COMPONENT

INTERNAL

- (01) INSTRUMENT PANEL
- (02) FIRE WALL
- (03) TOE PAN
- (04) FLOOR PAN
- (05) STEERING COLUMN
- (06) WINDSHIELD
- (07) WINDSHIELD HEADER
- (08) A-PILLAR
- (09) DOOR PANEL OR SIDE PANEL
- (10) WINDOW FRAME
- (11) B-PILLAR
- (12) C-PILLAR
- (13) D-PILLAR
- (14) ROOF SIDE RAILS
- (15) ROOF OR CONVERTIBLE TOP
- (16) BACKLIGHT HEADER
- (17) FRONT SEAT-BACK SURFACE/
SEAT-BACK BACK SURFACE
- (18) SECOND SEAT-BACK SURFACE/
SEAT-BACK BACK SURFACE
- (19) THIRD SEAT-BACK SURFACE/
SEAT-BACK BACK SURFACE
- (20) FOURTH SEAT-BACK SURFACE/
SEAT-BACK BACK SURFACE
- (21) FIFTH SEAT-BACK SURFACE/
SEAT-BACK BACK SURFACE
- (22) BACK PANEL/BACK DOOR SURFACE
- (23) SEAT CUSHION SURFACE/EDGE
- (24) CONSOLE
- (25) OTHER (DESCRIBE)
- (26) UNKNOWN INTERNAL SURFACES
- (28) TRANSMISSION TUNNEL (HUMP)
- (29) SIDE FOOTWELL PANEL (KICKPANEL)
- (30) SILL

EXTERNAL

- (43) HOOD
- (44) OBJECT EXTERNAL TO PASSENGER
COMPARTMENT BUT PART
OF CASE VEHICLE
- (45) OUTSIDE SURFACE OF CASE VEHICLE
- (46) OTHER (E.G. SPARE TIRE,
JACK. DESCRIBE.)
- (49) UNKNOWN EXTERNAL OBJECT

GROUPED FOR MASSIVE INTRUSION INTO AN OCCUPANT SPACE

**USE ONLY IF ALL THESE COMPONENTS
INTRUDED INTO A SINGLE OCCUPANT SPACE.**

- (50) WINDSHIELD HEADER (60) ROOF
A-PILLAR ROOF RAIL
ROOF SIDE RAIL
- (51) INSTRUMENT PANEL (61) INSTRUMENT PANEL
A-PILLAR TOE PAN
WINDSHIELD HEADER WINDSHIELD HEADER
B-PILLAR
- (52) INSTRUMENT PANEL (62) ROOF
A-PILLAR ROOF RAIL
WINDSHIELD HEADER C-PILLAR
- (53) DOOR PANEL (63) ROOF RAIL
B-PILLAR ROOF
ROOF RAIL B-PILLAR
- (54) DOOR PANEL (64) ROOF RAIL
A-PILLAR ROOF OR CONVERTIBLE TOP
ROOF RAIL A-PILLAR
- (55) INSTRUMENT PANEL (65) WINDSHIELD
FLOOR PAN WINDSHIELD HEADER
A-PILLAR ROOF SIDE RAIL
DOOR FRAME
- (56) ROOF RAIL (66) WINDSHIELD
A-PILLAR WINDSHIELD HEADER
B-PILLAR A-PILLAR
- (57) ROOF RAIL (67) NOT APPLICABLE
A-PILLAR WINDSHIELD HEADER
B-PILLAR A-PILLAR
- (58) ROOF (68) UNKNOWN
ROOF RAIL WINDSHIELD HEADER
WINDOW FRAME A-PILLAR
- (59) BACKLIGHT HEADER (69) UNKNOWN
ROOF WINDSHIELD HEADER
C-PILLAR A-PILLAR
- (70) THIRD SEAT-BACK (71) UNKNOWN
DOOR PANEL WINDSHIELD HEADER
WINDOW HEADER A-PILLAR
- (72) NOT APPLICABLE
- (73) UNKNOWN

Duplicate columns 1-8
from the previous card.Module 1
9 T
10 Format 0
11 1
12

INTRUSION IT-5

WAS THERE OCCUPANT COMPARTMENT INTRUSION?

13

WAS INTRUSION CATASTROPHIC?

①
14

(0) NO DO NOT ANSWER NEXT QUESTION. SKIP PAGE.
 (1) YES ANSWER NEXT QUESTION.
 (9) UNKNOWN SKIP PAGE.

(0) NO COMPLETE PAGE.
 (1) YES SKIP PAGE.

Duplicate columns 1-8
from the previous card.Module 1
9 T
10 Format 0
11 2
12

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

INTRUSIONS CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.

CODES FOR B, F, G, H, I, J ON PAGE IT-3

CODES FOR C ON PAGE IT-4

OCCUPANT CONTACT AND INJURY

A INTRUSION NUMBER	B OCC. SPACE NO.	C INTRUDING COMPONENT OR OBJECT	D ASSOC. EVENT NO.	E MAXIMUM INTRUSION X AXIS (cm)	F MAXIMUM INTRUSION Y AXIS (cm)	G MAXIMUM INTRUSION Z AXIS (cm)	H OCCUPANT NUMBER	I INJURY NUMBER	J OCCUPANT NUMBER	K INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
0_1	1L	①3	2	35	①①	①①	①①	①①	①①	①①
0_2	11	①9	1	①①	14	①①	①①	①①	①①	①①
0_3	11	①1	2	10	①①	①①	①1	①6	①1	①7
0_4	11	①5	2	①3	①①	①①	①①	①①	①①	①①
0_5	12	①1	2	24	①①	①①	①①	①①	①①	①①
0_6	13	①1	2	21	①①	①①	①①	①①	①①	①①
0_7	13	①3	2	54	①①	①①	①①	①①	①①	①①

NOTE: USE ADDITIONAL PAGE IF MORE THAN 7 INTRUSIONS.

Duplicate columns 1-8
from the previous card.Module 1
9 T
10 Format 0
11 3
12NOTE: IF NO SIDE DOOR INTRUSION,
SKIP REMAINDER OF PAGE.SIDE DOOR INTRUSION
RESULTED FROMIF DAMAGE TO DOOR COMPONENT RESULTED IN INCREASED
DOOR INTRUSION, CODE COMPONENT

INTRUSION NUMBER	CAUSE	CODES FOR CAUSE:
02	1	
13	15	(1) DIRECT IMPACT
16	18	(2) INDUCED DAMAGE
19	21	(9) UNKNOWN

INTRUSION NUMBER	DAMAGED COMPONENT 1	DAMAGED COMPONENT 2	CODES FOR COMPONENTS
A 22-23	①2	①	⑧ 25 (0) NONE (1) A-PILLAR (2) B-PILLAR (3) C-PILLAR (4) LATCH/STRIKER (5) HINGES (7) OTHER: _____
B 26-27	—	—	29
C 30-31	—	—	33
D 34-35	—	—	37 (8) NOT APPLICABLE (9) UNKNOWN

Duplicate columns 1-8
from the previous card.Module 1
9 10 Format 0
 11 12

INTRUSION IT-6

NOTE: Each line in the table below is a separate record (card).
Duplicate columns 1 - 12 for each completed line.

- ADDITIONAL PAGE --

INTRUSIONS CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.

CODES FOR B, F, G, H, I, J ON PAGE IT-3

CODES FOR C ON PAGE IT-4

OCCUPANT CONTACT AND INJURY

A INTRUSION NUMBER	B OCC. SPACE NO.	C COMPONENT OR OBJECT	D ASSOC. EVENT NO.	E INTRUDING INTRUSION NO.	F MAXIMUM X AXIS (cm)	G MAXIMUM Y AXIS (cm)	G MAXIMUM Z AXIS (cm)	H OCCUPANT NUMBER	I INJURY NUMBER	J OCCUPANT NUMBER	K INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25		26-27	28-29	30-31	32-33
<u>0</u> <u>8</u>	—	—	—	—	—	—	—	—	—	—	—
<u>0</u> <u>9</u>	—	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>0</u>	—	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>1</u>	—	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>2</u>	—	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>3</u>	—	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>4</u>	—	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>5</u>	—	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>6</u>	—	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>7</u>	—	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>8</u>	—	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>9</u>	—	—	—	—	—	—	—	—	—	—	—
<u>2</u> <u>0</u>	—	—	—	—	—	—	—	—	—	—	—
<u>2</u> <u>1</u>	—	—	—	—	—	—	—	—	—	—	—
<u>2</u> <u>2</u>	—	—	—	—	—	—	—	—	—	—	—
<u>2</u> <u>3</u>	—	—	—	—	—	—	—	—	—	—	—
<u>2</u> <u>4</u>	—	—	—	—	—	—	—	—	—	—	—
<u>2</u> <u>5</u>	—	—	—	—	—	—	—	—	—	—	—

Duplicate columns 1-8
from the previous card.Module 1
9 D 10 Format 0
11 1
12

INTERIOR DAMAGE

ID-1

CODES:

(0) NO
 (1) YES
 (3) NO, and OCCUPANT CONTACT

(4) YES, and OCCUPANT CONTACT
 (8) NOT APPLICABLE
 (9) UNKNOWN

SIDES	LEFT	RIGHT	FRONT		INSTRUMENT PANEL	
FRONT DOOR	<u>3</u> 13	<u>1</u> 14	FOOT CONTROLS	<u>1</u> 45	UPPER PANEL	<u>1</u> 55
FRONT HARDWARE	<u>1</u> 15	<u>1</u> 16	IGNITION KEYS	<u>1</u> 46	MID PANEL	<u>1</u> 56
FRONT ARMREST	<u>1</u> 17	<u>1</u> 18	REAR VIEW MIRROR	<u>4</u> 47	LOWER PANEL	<u>1</u> 57
FRONT GLASS	<u>1</u> 19	<u>1</u> 20	SUNVISOR/FITTINGS	<u>1</u> 48	ASHTRAY	<u>1</u> 58
REAR DOOR AREA	<u>1</u> 21	<u>1</u> 22	(5) LEFT SIDE ONLY (6) RIGHT SIDE ONLY (7) BOTH SIDES		CONTROL KNOBS & LEVERS	<u>4</u> 59
REAR HARDWARE	<u>1</u> 23	<u>1</u> 24	WINDSHIELD TOP MOLDINGS	<u>1</u> 49	GLOVE COMPARTMENT AREA	<u>1</u> 60
REAR ARMREST	<u>1</u> 25	<u>1</u> 26	LEFT A-PILLAR (UPPER OR LOWER)	<u>1</u> 50	INSTRUMENTS	<u>1</u> 61
REAR GLASS	<u>1</u> 27	<u>1</u> 28	RIGHT A-PILLAR (UPPER OR LOWER)	<u>1</u> 51	PARKING BRAKE RELEASE	<u>1</u> 62
ROOF SIDE RAIL	<u>1</u> 29	<u>1</u> 30	CENTER CONSOLE	<u>4</u> 52	PARKING BRAKE PEDAL	<u>8</u> 63
B-PILLAR	<u>1</u> 31	<u>1</u> 32	TRANSMISSION SELECTOR LEVER	<u>4</u> 53	A/C OR UPPER VENT OUTLETS	<u>1</u> 64
C-PILLAR	<u>1</u> 33	<u>1</u> 34	RIM, HORN, SPOKE	<u>3</u> 54	HEATER OR A/C DUCTS	<u>1</u> 65
D-PILLAR	<u>1</u> 35	<u>1</u> 36			RADIO	<u>1</u> 66
HEADLINING	<u>1</u> 37	<u>1</u> 38			OTHER: * _____	<u>8</u> 67
ROOF STRUCTURE	<u>1</u> 39	<u>1</u> 40				
T-ROOF/SUN ROOF	<u>1</u> 41	<u>1</u> 42				
OTHER: *	<u>1</u> 43	<u>1</u> 44				
					REAR	<u>1</u> 68
					WINDOW	<u>1</u> 69
					WINDOW HEADER	
					CONSOLES	<u>4</u> 70
					VERTICAL	<u>1</u> 71
					ROOF	<u>1</u>

* MORE THAN ONE ITEM MAY BE NOTED.

Duplicate columns 1-8 from the previous card.		Module <u>S</u> <u>9</u>	T <u>10</u>	Format <u>0</u> <u>11</u>	<u>2</u> <u>12</u>	SEATS		ST-1	
FRONT SEAT						FRONT SEAT-BACK			
TYPE OF FRONT SEAT (00) NO SEAT (01) STANDARD BENCH (02) SPLIT BACK, 50-50 (03) SPLIT BACK, DRIVER WIDE (04) SPLIT BACK, PASS. WIDE (05) BUCKET (06) CAPTAIN'S CHAIR (07) INDIV. BENCH, 50-50 (08) INDIV. BENCH, DRIVER WIDE (09) INDIV. BENCH, PASS. WIDE (97) OTHER: _____ (99) UNKNOWN						DRIVER <u>OS</u> <u>13</u> <u>14</u>	PASSEN'R <u>OS</u> <u>15</u> <u>16</u>		
								DRIVER <u>1</u> <u>30</u>	PASSEN'R <u>1</u> <u>31</u>
TYPE OF SEAT MOUNT (1) STANDARD (2) PEDESTAL (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN						1 <u>17</u>	1 <u>18</u>		
								1 <u>32</u>	1 <u>33</u>
SWIVEL MECHANISM EQUIPPED (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN						<u>Ø</u> <u>19</u>	<u>Ø</u> <u>20</u>		
								1 <u>34</u>	1 <u>35</u>
ORIGINAL EQUIPMENT SEATS (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN						1 <u>21</u>	1 <u>22</u>		
								1 <u>36</u>	1 <u>37</u>
CONTACT OF SEAT BY REAR OCCUPANT (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN						8 <u>23</u>	8 <u>24</u>		
FRONT SEAT DAMAGE (0) NONE (1) BACKREST ONLY DAMAGED (2) CUSHION ONLY DAMAGED (3) BACKREST & CUSHION DAMAGED (8) NOT APPLICABLE (9) UNKNOWN						<u>Ø</u> <u>25</u>	<u>Ø</u> <u>26</u>		
								1 <u>38</u>	1 <u>39</u>
CENTER ARMREST DAMAGED (0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN (8) NOT APPLICABLE (NO CENTER ARMREST) (9) UNKNOWN IF EQUIPPED						<u>Ø</u> <u>27</u>			
								1 <u>40</u>	1 <u>41</u>
FRONT SEAT ROTATION (0) NONE APPARENT (1) FORWARD APPARENT (2) REARWARD APPARENT (3) LEFT APPARENT (4) RIGHT APPARENT (5) MULTIPLE ROTATIONS SPECIFY _____ (8) NOT APPLICABLE (9) UNKNOWN						<u>Ø</u> <u>28</u>	<u>Ø</u> <u>29</u>		
								2 <u>42</u>	2 <u>43</u>
HEAD RESTRAINT HEAD RESTRAINT TYPE (0) NONE (1) ADJUSTABLE (2) INTEGRAL (3) NOT INTEGRAL, BUT CANNOT BE REMOVED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN									
								1 <u>44</u>	1 <u>45</u>
REMOVED PRE-CRASH (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN									
ADJUSTMENT AT CRASH (1) UP (2) DOWN (8) NOT APPLICABLE (9) UNKNOWN									
HEAD RESTRAINT DAMAGE (0) NONE (1) DAMAGED BUT NOT SEPARATED (2) SEPARATED (8) NOT APPLICABLE (9) UNKNOWN									

SEATS ST-2

FRONT SEAT ADJUSTMENT				SECOND SEAT (CONT.)	
SEAT ADJUSTMENT TYPE		DRIVER	PASSEN'R	CENTER ARMREST DAMAGED	
(0) NONE (RIGID)		2 46	1 47	(0) NO	
(1) MANUAL				(1) YES	
(2) POWER				(7) EQUIPPED, DAMAGE UNKNOWN	
(7) OTHER: _____				(8) NOT APPLICABLE (NO CENTER ARMREST)	
(8) NOT APPLICABLE (NO SEAT)				(9) UNKNOWN IF EQUIPPED	
(9) UNKNOWN					
ADJUSTMENT PROVIDED		2 48	2 49	SECOND SEAT-BACK	
(1) 2-WAY				LEFT	RIGHT
(2) 4-WAY					
(3) 6-WAY					
(7) OTHER: _____					
(8) NOT APPLICABLE					
(9) UNKNOWN					
SEAT ADJUSTER DAMAGE		Ø 50	Ø 51	LOCKS	
(0) NONE				FOR THE FOLLOWING, USE:	
(1) CHUCKING (FREE PLAY)				(0) NO	
(2) DEFORMED (RELEASED/JAMMED)				(1) YES	
(3) SEPARATED				(8) NOT APPLICABLE	
(7) OTHER: _____				(9) UNKNOWN	
(8) NOT APPLICABLE					
(9) UNKNOWN					
SEAT ADJUSTER SEPARATION		8 52	8 53	LEFT OR CENTER, EQUIPPED	
(0) NONE				8 61	8 62
(1) SEPARATED AT FLOOR				8 63	8 64
(2) SEPARATION OF ADJUSTER				8 65	8 66
(3) SEPARATED AT SEAT				8 67	8 68
(8) NOT APPLICABLE					
(9) UNKNOWN					
PRE-CRASH POSITION		3 54	3* 55	RIGHT, EQUIPPED	
(1) FORWARD					
(2) MIDDLE					
(3) REARWARD					
(8) NOT APPLICABLE	slightly forward & full rear			RIGHT, HELD	
(9) UNKNOWN				(3) SEAT FOLDED DOWN	
SECOND SEAT		LEFT	RIGHT	THIRD SEAT	
TYPE OF SECOND SEAT				EQUIPPED	
(0) NONE				Ø 69	Ø 70
(1) NON-FOLDING				8 71	8 72
(2) FOLDING				8 73	8 74
(3) CAPTAIN'S CHAIR					
(4) JUMP SEAT					
(5) INTEGRAL CHILD SEAT					
(6) LUGGAGE AREA ACCESS PANEL					
(9) UNKNOWN					
SECOND SEAT DAMAGE				BACKREST DAMAGED	
(0) NONE					
(1) BACKREST ONLY (DAMAGED OR LOOSENERED)					
(2) CUSHION ONLY (DAMAGED OR LOOSENERED)					
(3) BACKREST & CUSHION (DAMAGED OR LOOSENERED)					
(4) INTEGRAL CHILD SEAT (PRIORITY CODE)					
(5) LUGGAGE AREA ACCESS PANEL (DAMAGED OR LOOSENERED)					
(8) NOT APPLICABLE					
(9) UNKNOWN					
VEHICLE EQUIPPED WITH REAR HEAD RESTRAINTS				CUSHION DAMAGED	
(0) NOT EQUIPPED (OR REMOVED)					
(1) EQUIPPED					
(2) EQUIPPED & DAMAGED					
(8) NOT APPLICABLE (NO REAR SEAT)					
(9) UNKNOWN					
<i>Applies to any rear-seat position</i>				Ø 75	

Duplicate columns 1-8
from the previous card.

Module A 9 B 10 Format 0 11 1 12

AIRBAG AB-1

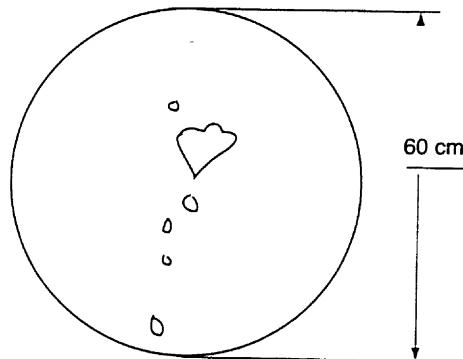
<p>DRIVER SIDE</p> <p>LOCATION OF AIRBAG</p> <p>STEERING WHEEL</p> <p>EQUIPPED</p> <p>(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>DEPLOYED</p> <p>(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>		13	<p>PASSENGER SIDE</p> <p>LOCATION OF AIRBAG</p> <p>INSTRUMENT PANEL (GLOVE BOX)</p> <p>EQUIPPED</p> <p>(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>DEPLOYED</p> <p>(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>		16
<p>CONDITION OF AIRBAG</p> <p>STEERING WHEEL</p> <p>(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION</p>		15	<p>CONDITION OF AIRBAG</p> <p>INSTRUMENT PANEL (GLOVE BOX)</p> <p>(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION</p>		18
<p>DRIVER SIDE</p> <p>AIRBAG</p> <p>STEERING WHEEL</p> <p>TETHER</p> <p><i>2 straps</i></p> <p>(0) NO (1) YES (6) OTHER _____ (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>MARKED BY CONTACT</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>		19	<p>PASSENGER SIDE</p> <p>AIRBAG</p> <p>INSTRUMENT PANEL (GLOVE BOX)</p> <p>TETHER</p> <p>(0) NO (1) YES (6) OTHER _____ (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>MARKED BY CONTACT</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>		21
		20			22

AIRBAG AB-2

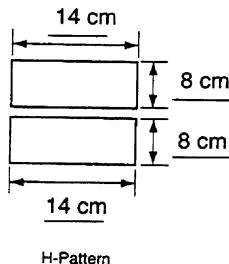
AIRBAG NUMBER ON DRIVER SIDE:

NOTE AND DESCRIBE ANY AIRBAG CONTACT OR
DAMAGE ON DIAGRAM BELOW:

Driver Airbag



Driver Airbag Doors



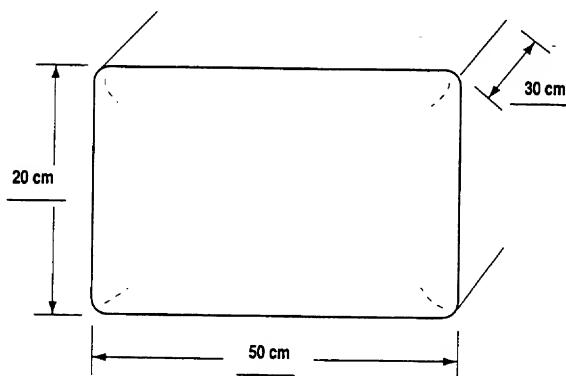
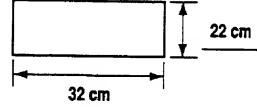
Vents: Y N
if yes, how many: 2

Tethers: Y N
if yes, how many: 2

AIRBAG NUMBER ON PASSENGER SIDE:

NOTE AND DESCRIBE ANY AIRBAG CONTACT OR
DAMAGE ON DIAGRAM BELOW:

Passenger Airbag

Passenger Airbag Doors
Single Door

Vents: Y N
if yes, how many: _____

Tethers: Y N
if yes, how many: _____

NOTE TO THE INVESTIGATOR:

THE FOLLOWING TWO SECTIONS,
OCCUPANT INFORMATION AND INJURY CLASSIFICATION,
ARE TO BE FILLED IN
FOR EACH CASE VEHICLE OCCUPANT,
WHETHER INJURED OR NOT.

IF THERE IS MORE THAN ONE OCCUPANT,
USE ADDITIONAL COPIES
OF PAGES OC-1, OC-2, OC-3,
AND IC-2 TO DESCRIBE THEM
AND ATTACH THE COPIES TO THIS REPORT.

Duplicate columns 1-8
from the previous card.Module O
9 C
10 Format 0
11 2
12

OCCUPANT INFORMATION OC-1

OCCUPANT IDENTIFICATION		<u>①</u> 13 14	PHYSICAL DESCRIPTION	
OCCUPANT NUMBER			AGE IN YEARS (00) LESS THAN 1 YEAR (98) 98 YEARS OR OLDER (99) UNKNOWN	28 20 21
ROLE OF OCCUPANT AT 1ST IMPACT		15	AGE IN MONTHS (00) LESS THAN 1 MONTH (25) 25 MONTHS OR OLDER (99) UNKNOWN	25 22 23
(1) MOTOR VEHICLE DRIVER (2) MOTOR VEHICLE PASSENGER (NOT DRIVER) (9) UNKNOWN			MASS (kg) (999) UNKNOWN	104 24 25 26
OCCUPANT POSITION		16	HEIGHT (cm) (999) UNKNOWN	183 27 28 29
ROW LOCATION		1	SEX (1) MALE (2) FEMALE (9) UNKNOWN	1 30
(1) FRONT (2) SECOND (3) THIRD (4) FOURTH (7) OTHER: (8) EXTERNAL TO PASSENGER COMPARTMENT (E.G. BED OF PICKUP) (9) UNKNOWN		17	MEDICAL CONDITIONS	
LATERAL LOCATION		18 19	TREATMENT/MORTALITY (00) NONE (01) FIRST AID AT SCENE (02) TREATED AT HOSPITAL/CLINIC BUT NOT ADMITTED (03) HOSPITALIZED FOR OBSERVATION LESS THAN 24 HOURS (04) HOSPITALIZED OVER 24 HOURS OR FOR SIGNIFICANT TREATMENT (05) FATAL, DEAD AT SCENE (06) FATAL, DOA (07) FATAL, DEAD WITHIN 24 HOURS (08) FATAL, DEAD 24 HOURS TO 31 DAYS LATER (09) FATAL, DEAD 31 DAYS TO 1 YEAR LATER (10) FATAL DEAD WITHIN UNKNOWN PERIOD (99) UNKNOWN	④ 31 32
POSTURE		1 ①	INJURY SEVERITY SCORE (ISS) (99) UNKNOWN	④ 33 34
(10) SITTING ON SEAT (11) SITTING ON SEAT IN ABNORMAL POSITION (E.G. FEET ON DASH, SIDeways) (12) SITTING ON CONSOLE (20) ON LAP OR IN ARMS (30) STANDING ON SEAT (40) STANDING ON FLOOR (47) STANDING, EXTERNAL TO PASSENGER COMPARTMENT (50) IN BASSINET (60) IN CHILD SEAT (65) IN CHILD HARNESS (70) LYING ON SEAT (80) LYING/SITTING ON PASSENGER FLOOR (83) LYING/SITTING ON OTHER OBJECT IN PASSENGER COMPARTMENT: (85) ON CARGO FLOOR/FOLDED SEAT-BACK (87) LYING/SITTING, EXTERNAL TO PASSENGER COMPARTMENT (97) OTHER: (99) UNKNOWN		18 19	NON-IMPACT MED. CONDITIONS (0) NONE (1) YES, TIME & TYPE UNKNOWN (2) PRE-CRASH FATAL (CLINICAL DEATH AT WHEEL) (3) PRE-CRASH NON-FATAL (E.G. PRIOR INJURY, STROKE) (4) PREGNANT (5) POST-CRASH FATAL (DROWNING) (6) POST-CRASH NON-FATAL INJURY (7) OTHER: (8) COMBINATION OF ABOVE (CIRCLE EACH) (9) UNKNOWN	④ 35

OCCUPANT INFORMATION OC-2

MEDICAL CONDITIONS (CONT.)	36	CHILD SEAT TYPE	88 41 42
		(00) NONE USED (01) YES, USED (02) INTEGRAL, Chrysler Mini-van (88) NOT APPLICABLE <i>(ADULT OR OLDER CHILD)</i> (99) UNKNOWN	
RESTRAINT SYSTEM	37	CHILD SEAT MAKE/MODEL	

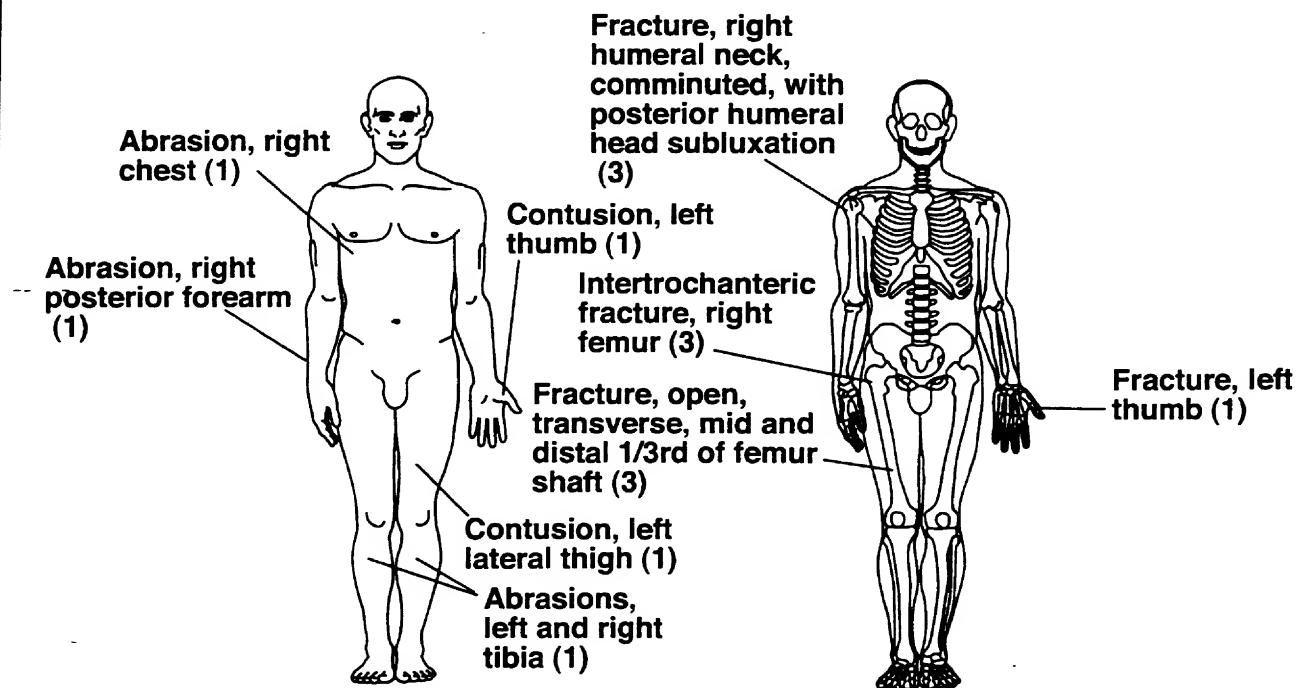
ACTIVE RESTRAINT SYSTEM	38	EJECTION	Ø 43
		DEGREE OF EJECTION	
ACTIVE RESTRAINT SYSTEM USAGE	39	(0) NONE (1) PARTIAL (2) COMPLETE (7) EJECTED, DEGREE UNKNOWN (9) UNKNOWN IF EJECTED	98 44 45
		AREA OF EJECTION	
PASSIVE RESTRAINT SYSTEM	40	(01) WINDOW, LEFT SIDE (02) WINDOW, RIGHT SIDE (03) WINDOW, REAR (04) DOOR, LEFT SIDE (05) DOOR, RIGHT SIDE (06) DOOR, REAR OR TAILGATE (07) WINDSHIELD (08) ROOF OR OPEN CONVERTIBLE OR FROM EXTERNAL AREA (96) EJECTED AREA UNKNOWN (97) OTHER AREA: _____ (98) NOT APPLICABLE (NOT EJECTED) (99) UNKNOWN IF EJECTED	
		IF OCCUPANT WAS EJECTED, DESCRIBE IN DETAIL BELOW:	
PASSIVE RESTRAINT SYSTEM USAGE	41	HEAD RESTRAINT	1 46
		HEAD RESTRAINT AVAILABLE FOR THIS POSITION	
	42	(0) NOT EQUIPPED OR REMOVED (1) EQUIPPED - (9) UNKNOWN	

OCCUPANT INFORMATION OC-3

OCCUPANT EYEWEAR	9 47	SOURCE OF INFORMATION	1 48
(0) NONE (1) GLASSES (2) CONTACTS (3) BOTH GLASSES AND CONTACTS (4) OTHER _____ (8) NOT APPLICABLE (9) UNKNOWN		(0) INTERVIEW (1) HOSPITAL (2) AUTOPSY (3) POLICE (4) OTHER _____ (5) LAY CORONER/EXTERNAL EXAM (7) COMBINATION OF ABOVE (CIRCLE) (8) NOT APPLICABLE (9) UNKNOWN	

OCCUPANT INFORMATION OC-4

INDICATE LOCATION OF INJURIES.



Duplicate columns 1-8
from the previous card.

Module 1 C **Format** 0 1
 9 10 11 12

INJURY CLASSIFICATION IC-1

NOTE: Each line in the table below is a separate record (card).
Duplicate columns 1 - 12 for each completed line.

OCCUPANT INJURY CLASSIFICATION

NOTE: USE ADDITIONAL PAGES IF NECESSARY.

INJURY CLASSIFICATION IC-2

CODES FOR AREAS OF POSSIBLE OCCUPANT CONTACT

FRONT OF PASSENGER COMPARTMENT

- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (12) WINDSHIELD

- (05) INSTRUMENT PANEL (*SPECIFIC AREA UNKNOWN*)
- (54) UPPER INSTRUMENT PANEL (X)
- (55) MIDDLE INSTRUMENT PANEL (Y)
- (56) LOWER INSTRUMENT PANEL (Z)
- (81) ASH TRAY (*INSTRUMENT PANEL*)
- (02) GLOVE COMPARTMENT AREA
- (47) AIRBAG (ACRS) COMPARTMENT DOOR/COVER

- (57) BENEATH INSTRUMENT PANEL
- (53) PARCEL TRAY
- (48) KNEE RESTRAINT
- (86) VERTICAL CONSOLE

- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)

- (09) STEERING ASSEMBLY (*SPECIFIC AREA UNKNOWN*)
- (65) STEERING WHEEL
- (66) STEERING WHEEL COLUMN
- (59) TRANSMISSION LEVER ON COLUMN

- (03) HARDWARE ITEM (*SPECIFIC AREA UNKNOWN*)
- (82) INSTRUMENT(S)
- (83) CONTROL KNOB(S) & LEVER(S) (*FRONT*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (67) IGNITION KEY
- (06) MIRROR
- (04) HEATER OR AIR CONDITIONING DUCTS
- (01) AIR CONDITIONING OR VENTILATION OUTLET(S)
- (08) RADIO (*BUILT IN*)
- (58) ADD-ON TAPE DECK, RADIO, A/C
- (68) ROOF MOUNTED CONTROLS/CONSOLES

REAR

- (88) SURFACE OF REAR INTERIOR
- (23) REAR WINDOW
- (39) REAR WINDOW HEADER
- (50) REAR SEAT CUSHION & BACK

INTERIOR-GENERAL

- (11) TRANSMISSION SELECTION LEVER (*LOCATION UNK.*)
- (59) TRANSMISSION LEVER ON STEERING COLUMN
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (07) PARKING BRAKE HANDLE (*LOCATION UNKNOWN*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)

- (29) FRONT SEAT-BACK(S)
- (51) FRONT SEAT CUSHION
- (50) REAR SEAT CUSHION & BACK
- (49) ARMREST ON SEAT
- (89) UNDER SEAT BOTTOM

- (33) RESTRAINT SYSTEM HARDWARE
- (34) RESTRAINT SYSTEM WEBBING
- (87) AIR CUSHION SKIN (AIRBAG)
- (47) AIRBAG (ACRS) COMPARTMENT DOOR/COVER
- (46) AIRBAG GAS
- (48) KNEE RESTRAINT
- (30) HEAD RESTRAINT
- (42) CHILD SEAT RESTRAINTS
- (43) CHILD SEAT
- (31) INTERIOR LOOSE OBJECT
- (32) OTHER OCCUPANT(S)
- (52) INTERNAL FLYING GLASS (*FROM ANY SOURCE*)
- (41) UNKNOWN INTERIOR SURFACE

SIDES

- (20) SURFACE OF SIDE INTERIOR
- (19) HARDWARE ON SIDE OR DOOR
- (13) ARMREST ON SIDE OR DOOR
- (24) COAT HOOK

- (22) WINDOW GLASS (*SIDE*)
- (21) WINDOW FRAMES (*SIDE*)

- (26) ROOF SIDE RAIL
- (14) A-PILLAR
- (15) B-PILLAR
- (16) C-PILLAR
- (17) D-PILLAR

FLOOR

- (40) FLOOR
- (27) CONSOLE ON FLOOR OR BETWEEN SEATS
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (91) KICKPANEL

ROOF

- (25) ROOF OR CONVERTIBLE TOP
- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (26) ROOF SIDE RAIL
- (24) COAT HOOK
- (18) DOME LIGHT
- (39) BACKLIGHT HEADER
- (68) ROOF MOUNTED CONTROLS/CONSOLE
- (69) ROLL BAR

EXTERIOR SURFACE OF CASE VEHICLE

- (37) OUTSIDE SURFACE OF CASE VEHICLE (*SPECIFIC AREA UNKNOWN*)
- (35) HOOD OF CASE VEHICLE
- (60) EXTERIOR OF CASE VEHICLE (*E.G. OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (62) EXTERIOR SIDE ROOF RAIL OF CASE VEHICLE
- (63) TRUNK LID OF CASE VEHICLE
- (64) TIRES OF CASE VEHICLE

BEYOND CASE VEHICLE BOUNDARY

- (36) AREA EXTERIOR TO CAR (*SPECIFIC AREA UNK.*)
- (70) HOOD OF OTHER VEHICLE
- (71) OTHER VEHICLE EXTERIOR HARDWARE (*E.G. OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (73) EXTERIOR SIDE ROOF RAIL OF OTHER VEHICLE
- (74) HEADLIGHT OR FRONT GRILL OF OTHER VEH.
- (75) TRUNK OF OTHER VEHICLE
- (76) OUTSIDE SURFACE OF OTHER VEHICLE
- (77) TIRES OF OTHER VEHICLE
- (78) GROUND
- (79) WATER
- (80) EXTERIOR OBJECT (*NOT VEHICLE, GROUND, OR WATER. PLEASE DESCRIBE.*)

PENETRATING OBJECTS

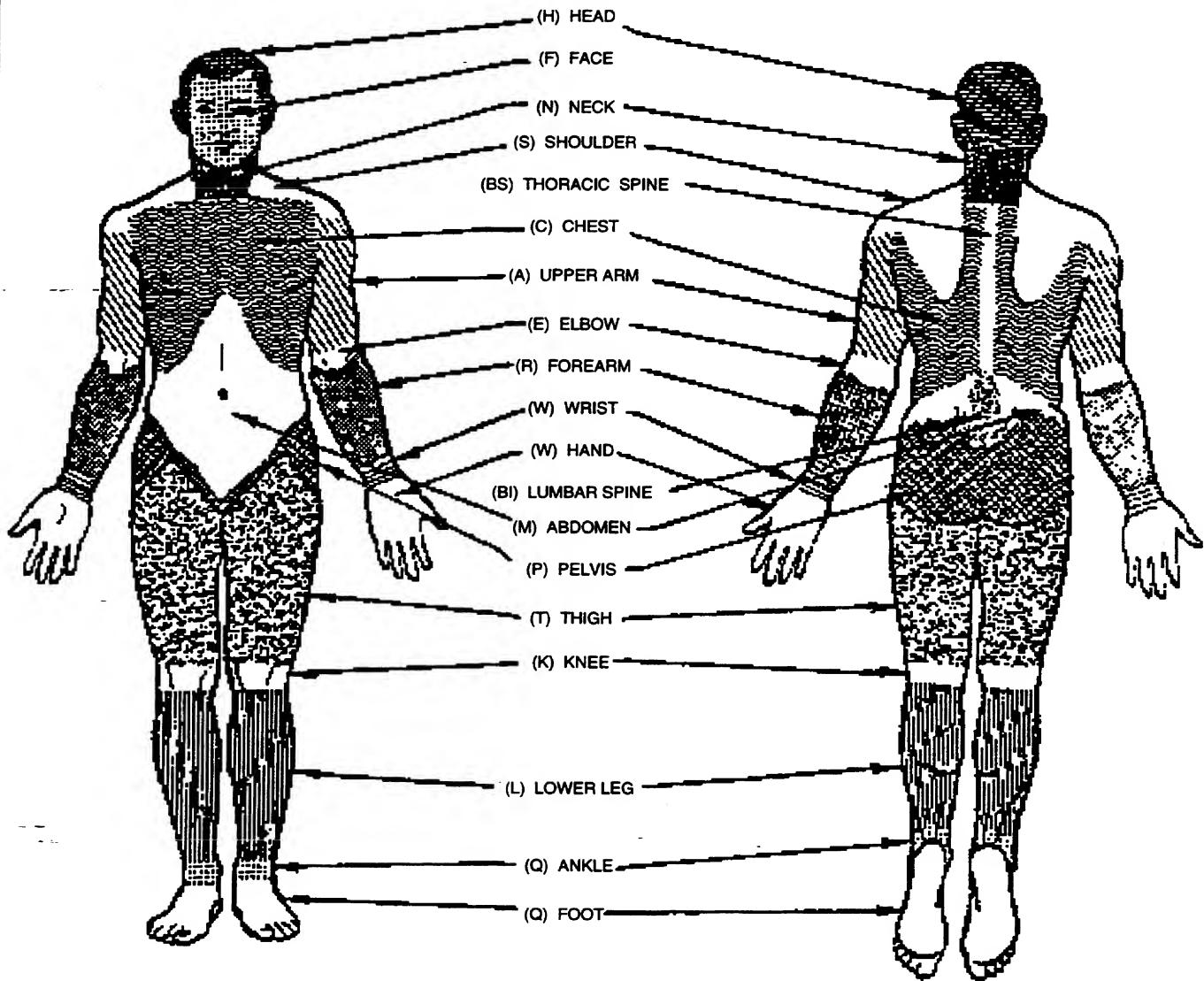
- (61) OTHER VEHICLE
- (72) OBJECTS (*DESCRIBE*)

MISCELLANEOUS

- (00) NO CONTACT (*INVALID FIELD FORM CODE*)
- (38) OTHER (*E.G. FIRE. DESCRIBE*)
- (90) - SPARE TIRE
- (96) INDUCED
- (97) EJECTED, UNKNOWN CONTACT
- (98) IMPACT FORCE, "WHIPLASH", HYPEREXTENSION/COMPRESSION
- (99) UNKNOWN AREA OF CONTACT

INJURY CLASSIFICATION IC-3

THE FIGURE BELOW
IS AN EXPLANATION OF THE BODY REGION CODES
LISTED ON PAGE IC - 4.



INJURY CLASSIFICATION IC-4

CODES FOR OCCUPANT INJURY CLASSIFICATION (OIC)

1 BODY REGION

- (H) HEAD/SKULL
- (F) FACE
- (N) NECK
- (S) SHOULDER
- (X) UPPER EXTREMITIES
- (A) ARM (UPPER)
- (E) ELBOW
- (R) FOREARM
- (W) WRIST/HAND
- (C) CHEST
- (M) ABDOMEN
- (B) BACK
- (P) PELVIC/HIP
- (Y) LOWER EXTREMITIES
- (T) THIGH
- (K) KNEE
- (L) LEG (LOWER)
- (Q) ANKLE/FOOT
- (O) WHOLE BODY
- (U) UNKNOWN

3 LESION

- (L) LACERATION
- (C) CONTUSION
- (A) ABRASION
- (F) FRACTURE
- (P) PERFORATION, PUNCTURE
- (K) CONCUSSION
- (V) AVULSION
- (R) RUPTURE
- (S) SPRAIN
- (D) DISLOCATION
- (N) CRUSH
- (M) AMPUTATION
- (B) BURN
- (G) DETACHMENT, SEPARATION
- (Z) FRACTURE AND DISLOCATION
- (T) STRAIN
- (E) TOTAL SEVERANCE, TRANSECTION
- (O) OTHER
- (U) UNKNOWN

4 SYSTEM/ORGAN

- (S) SKELETAL
- (V) VERTEBRAE
- (J) JOINTS
- (D) DIGESTIVE
- (L) LIVER
- (N) NERVOUS SYSTEM
- (B) BRAIN
- (C) SPINAL CORD
- (E) EARS
- (O) EYES
- (A) ARTERIES
- (H) HEART
- (Q) SPLEEN
- (G) UROGENITAL
- (K) KIDNEYS
- (R) RESPIRATORY
- (P) PULMONARY/LUNGS
- (M) MUSCLES
- (T) THYROID, OTHER ENDOCRINE GLAND
- (I) INTEGUMENTARY (SKIN)
- (W) ALL SYSTEMS IN REGION
- (U) UNKNOWN

2 ASPECT

- (R) RIGHT
- (L) LEFT
- (B) BILATERAL
- (C) CENTRAL
- (A) ANTERIOR/FRONT
- (P) POSTERIOR/BACK
- (S) SUPERIOR/UPPER
- (I) INFERIOR/LOWER
- (W) WHOLE REGION
- (U) UNKNOWN

BODY REGION	ASPECT	LESION	SYSTEM/ORGAN	SEVERITY
1	2	3	4	5

5 SEVERITY

(OR "AIS", ABBREVIATED INJURY SCALE)

- (0) NONE
- (1) MINOR
- (2) MODERATE
- (3) SERIOUS
- (4) SEVERE
- (5) CRITICAL
- (6) MAXIMUM
- (9) UNKNOWN

1000000000	1000000000
1000000000	1000000000
1000000000	1000000000
1000000000	1000000000



North

Speed limit 30 mph

a A1

a A2

a A3

B1

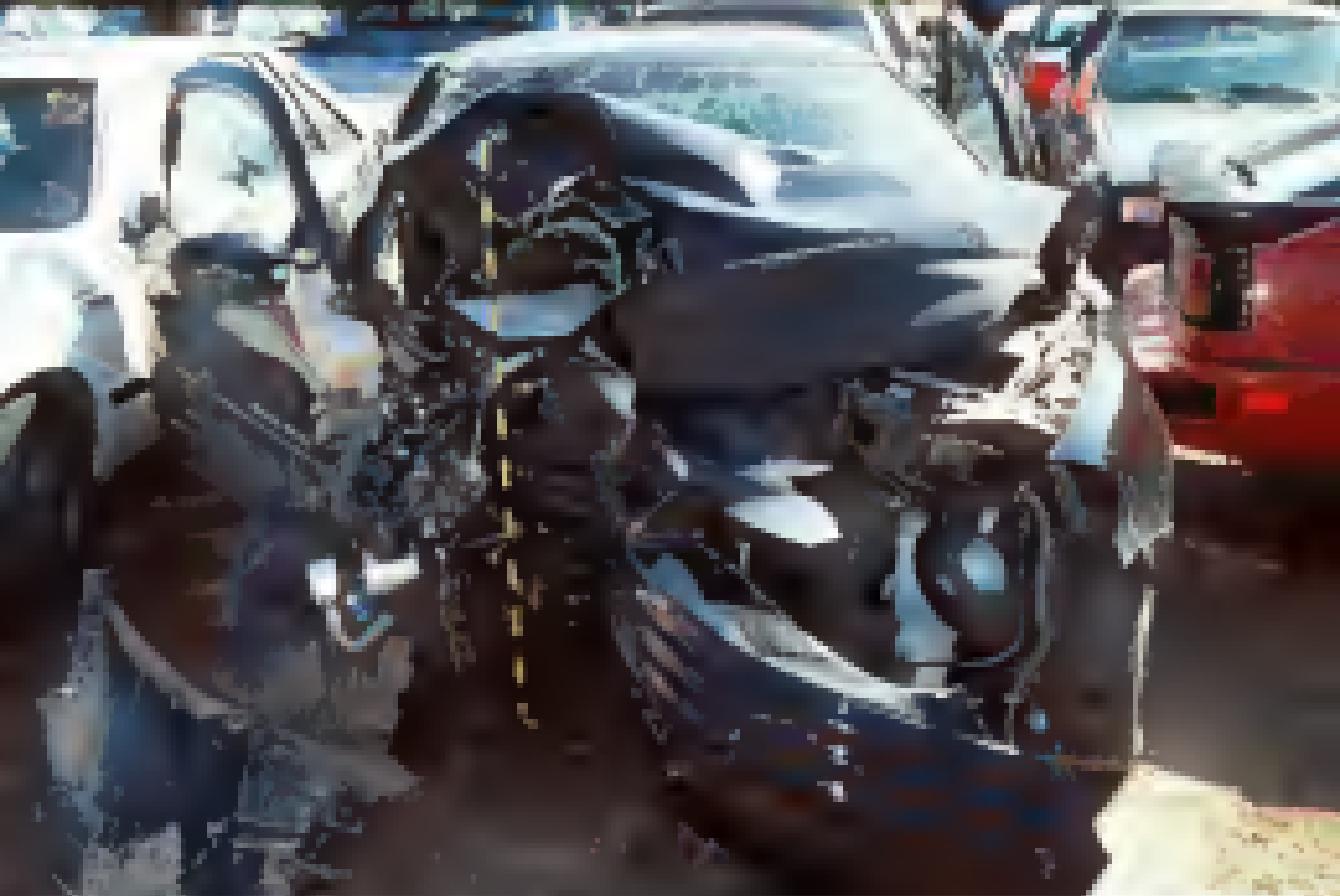
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PN 20200 #2



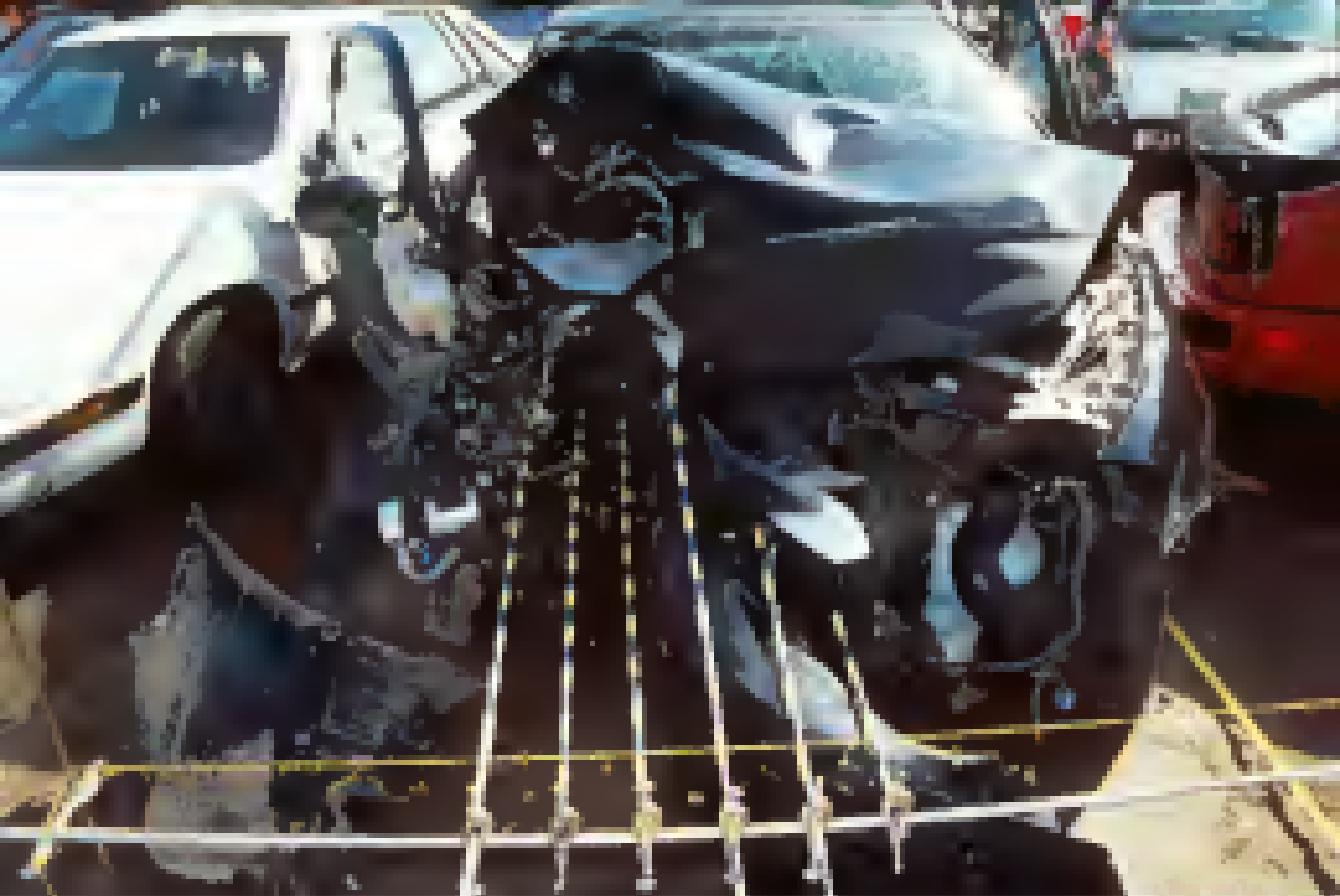
PN 20200 #3



PN 2020044
Best Available



PN 20200 #5
Best Available



PN 20200 #6
Best Available



**PN 20200 #7
Best Available**



PN2020048



PN 2020049



PN20200#10



PN 20200#11



PN20200#12



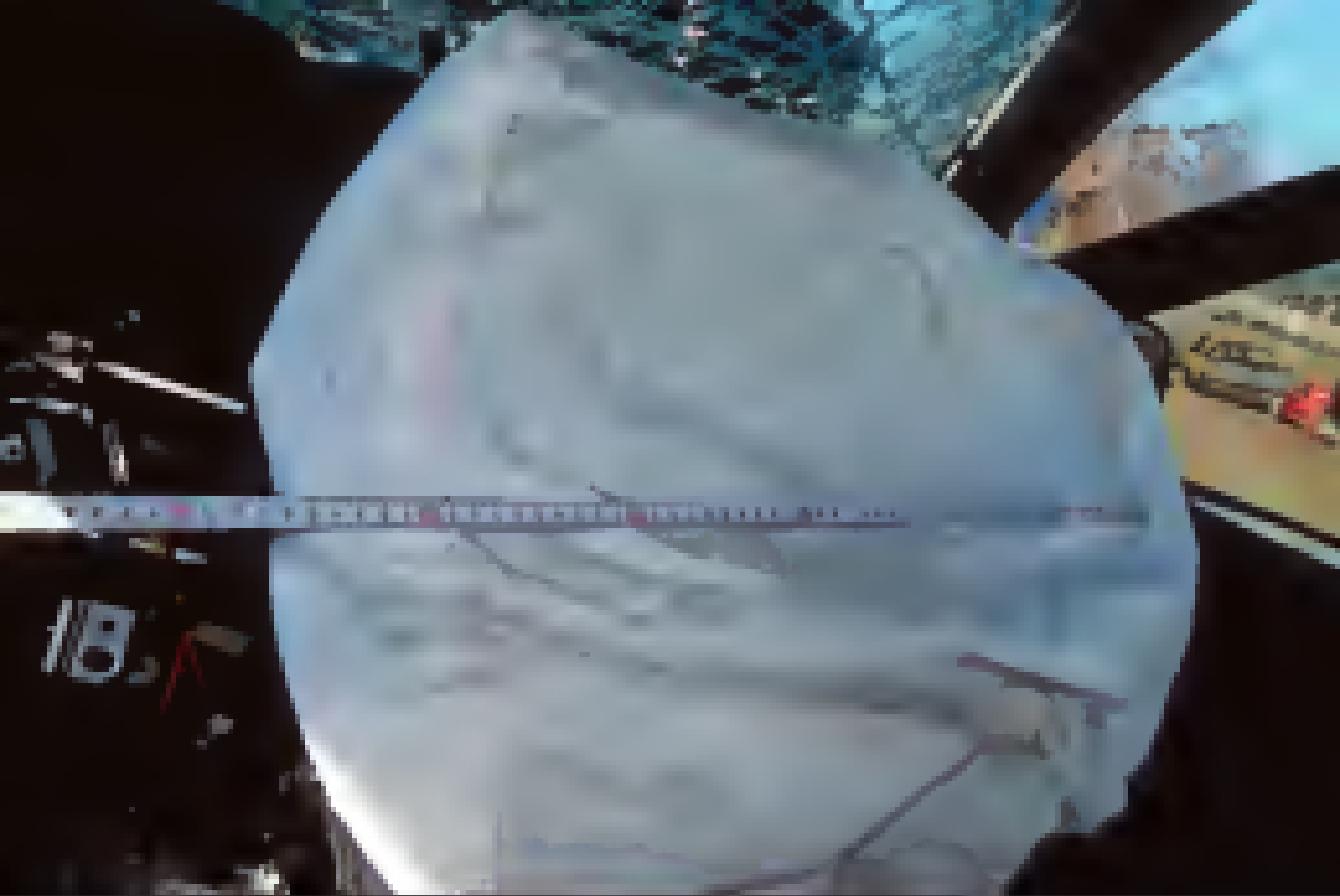
PN 20200 #13
Best Available



PN 20200 #14



**PW 20200 #15
Best Available**



PN 20200 #16
Best Available



PN 20200 #17
Best Available



PN 20200 #18



PN 20200 #19



PN 20200 #20
Best Available

PN 20200 #21

PN 20200 #21

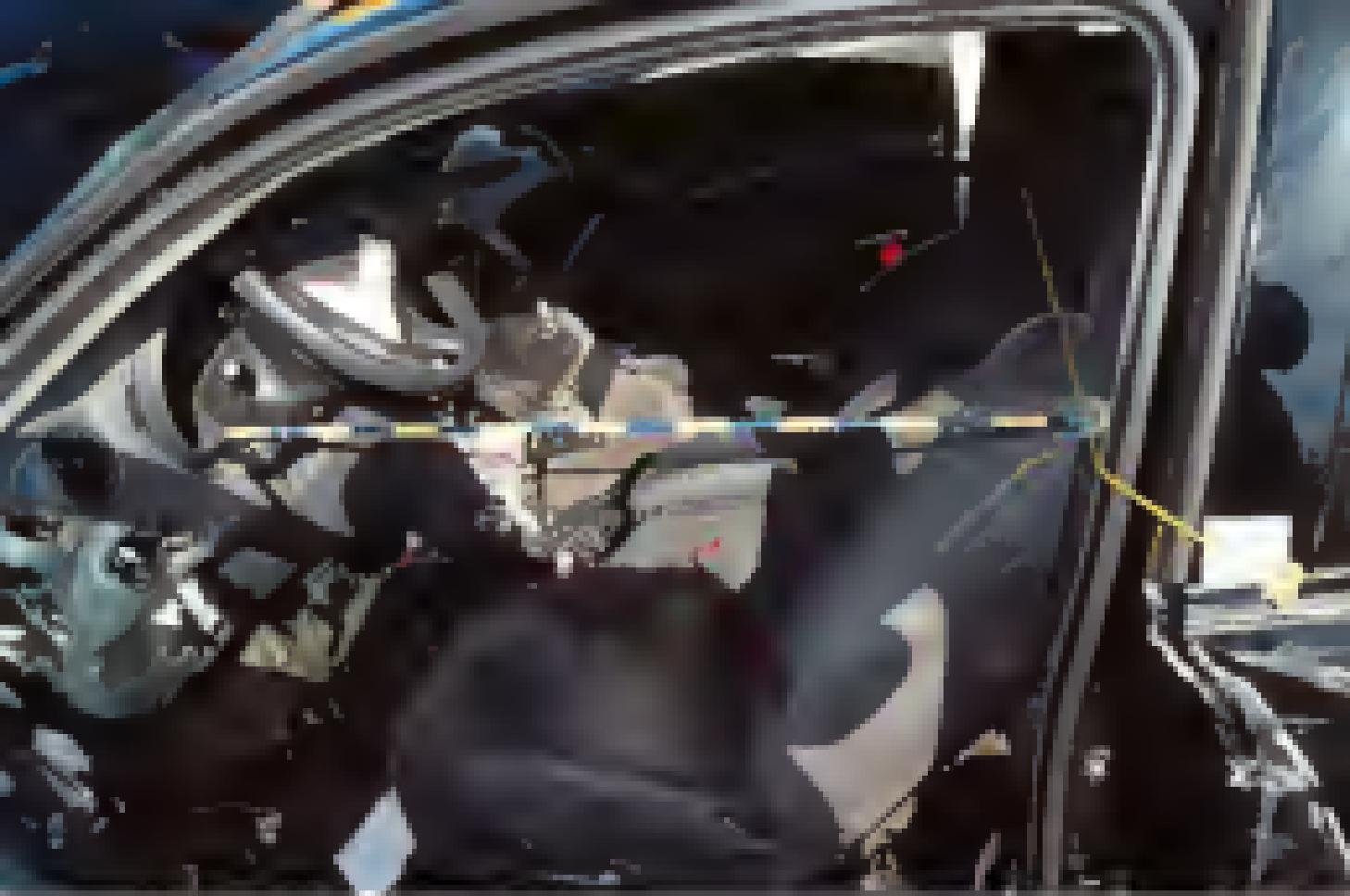
PN 20200 #21



PN 20200 #22



PN 20200 #23



PN 20200 #24



PN 20200 #25



PN 20200426



PN 20200 #27



PN 20200 #28



PN 20200 #29



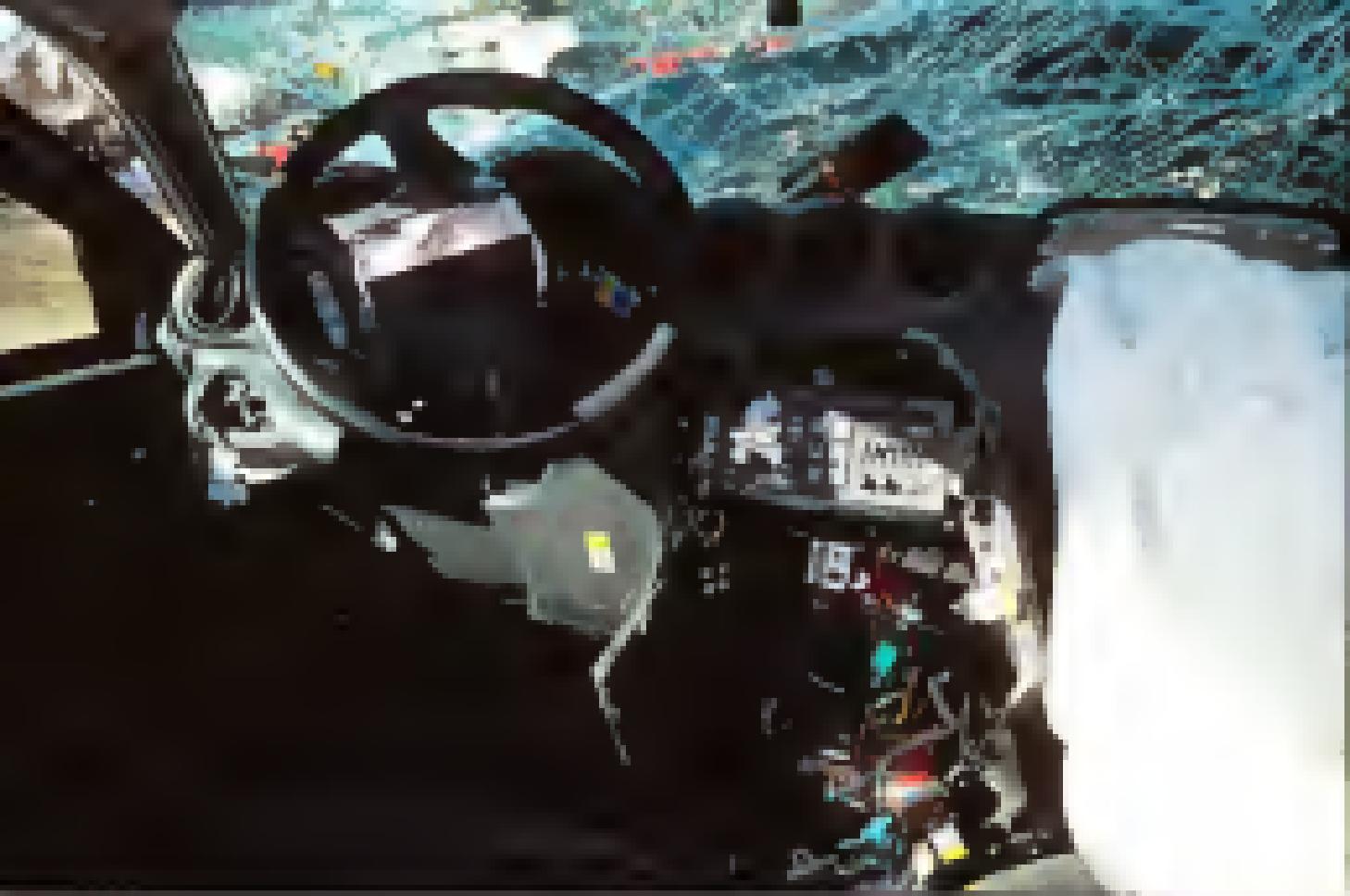
PN 20200 #30



PN 20200 #31



PN 20200 #32



PN 20200 #33



PN20200#34



PN 20200 #35

14
16
18
20
22



PN 20200 #38



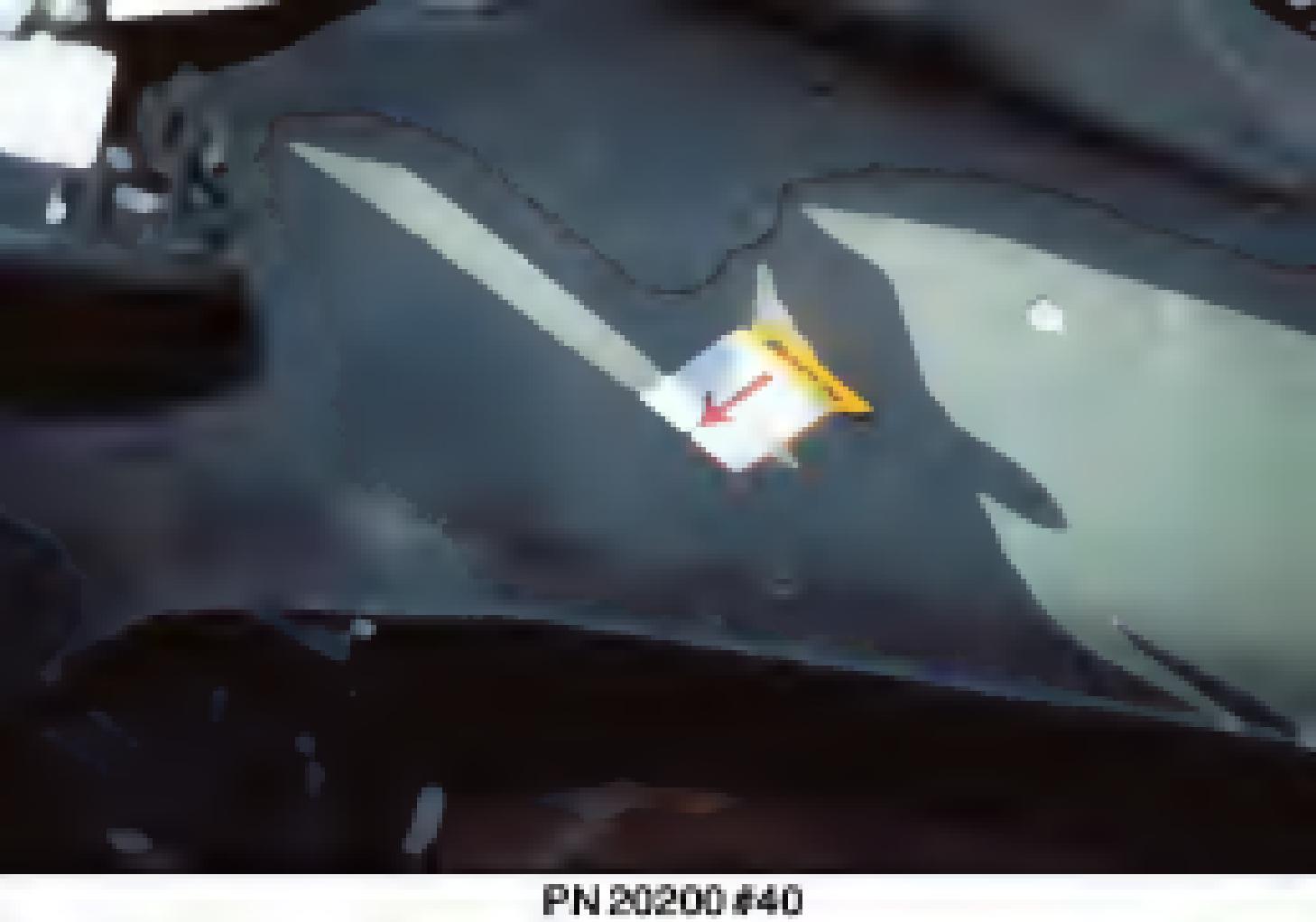
PN 20200 #37



PN 20200 #38



PN 20200 #39



PN 20200440



PN 20200 #41



PN20200 #42



PN 20200 #43

更多資訊 請到 [我的網站](#)

I would like to thank all our members who have contributed to the success of the exhibition.

10

Alles andere ist Teil

A limited right
protects freedom

Frontal right
Burr hole made,
opened, and, with
posterior laminar
head retractor
(1)

www.elsevier.com

卷之三

**Fractional oxygen
transients: mild and
severe. A brief self-assess-
ment.**

Gelehrten im Wandel

Algebraic
number fields



Friction in
Ferriplite